LoadMax®

AUSTLIFT®

1300 100 120

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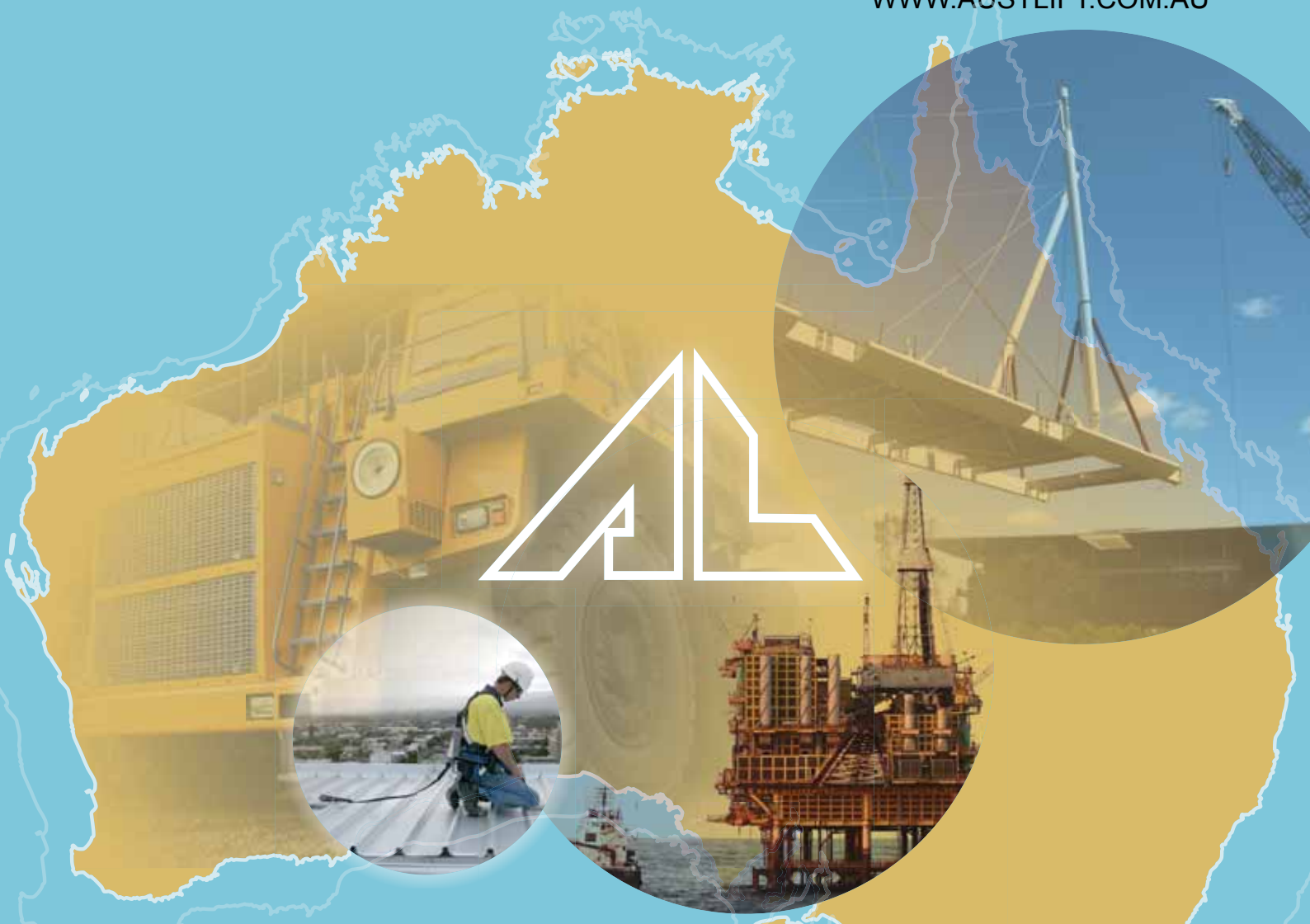

CATALOGUE

VERSION 2

AUSTRALIAN LIFTING CENTRE PTY LTD

Contents

Company Introduction	1-6	
G100 Chain & Fittings	7-18	SECTION 1
Alloy Chain & Fittings	19-48	SECTION 2
Lifting & Material Handlings Products	49-66	SECTION 3
Load Restraint Products	67-90	SECTION 4
Steel Wire Rope Fittings	91-106	SECTION 5
Turnbuckles & Rigging Screws	107-118	SECTION 6
Shackles	119-128	SECTION 7
Eye Nuts & Eye Bolts	129-138	SECTION 8
Non-Alloy & Stainless Steel Fittings	139-148	SECTION 9
Steel Wire Ropes	149-164	SECTION 10
Lifting Slings	165-178	SECTION 11
Personal Protection Equipment	179-216	SECTION 12

THE COMPANY

Australian Lifting Centre Pty Ltd (ALC) is a family owned Australian company. Our Head Office is located in Sydney NSW with branches in Brisbane, Melbourne and Perth. ALC has become a well renown Wholesaler of Lifting, Load Restraint and Hardware products. The quality of our product, pricing & customer service is regarded as one of the best in the market place.

COMPANY VALUE

We are committed to the highest standards of ethics and integrity. We are responsible to our customers, to our employees, to the environment we inhabit, and to the industry we serve. For achieving the highest value, we do not take professional or ethical shortcuts with our products. We believe any Wholesale business growth must be with its dealers or agents.

QUALITY ASSURANCE & PRODUCT LIABILITY INSURANCE

ALC has implemented very high standards with all its manufacturers. Our company policy embraces Australian Standards and certifying of the entire range of AustLift and LoadMax products prior to any distribution

ALC products are covered within the companies liability insurance with AMP Australia, the insured sum being over $500M.

PRODUCT INNOVATION

ALC strives in setting the standard for innovation, product research & development. We currently have patented products and are continually in the pursuit of new challenges

BRANCHES

Sydney (Head Office):

Melbourne Branch

Brisbane Branch

Perth Branch

AUSTLIFT and LOADMAX Merchandising Stands are available to our distributors. Please do not hesitate to call our friendly staff at:

1300 100 120

PART NUMBER: 000002SP

ALC IN THE AUSTRALIAN MARKET

As a genuine Wholesaler we work closely with our distributor network in developing healthy business relationship enabling each company to prosper and grow in the future. We will continue to service the Australian industries with integrity, reliability and trustworthy enterprise.

INDUSTRY EXPERIENCE

ALC is proud to have a highly technical sales team of qualified sales engineers with a strong industry background, ensuring creditable dealer support for staff training, product knowledge, theoretical & practical application experience, dealer presentations and trade exhibitions.

PRINCIPLES – LEADING TECHNOLOGY, QUALITY PRODUCTS & CUSTOMER CARE

ALC envisage maintaining market leadership focus in the industry in partnership with satisfied dealers and their customers. ALC endeavor to continue upholding high business ethics and morals whilst implementing a Quality Assurance Management System, that will take us well into the 21st century and beyond.

DEFINITIONS

AustLift & LoadMax are registered trade Marks of Australian Lifting Centre Pty Ltd.
Registration No. 834717 & 1007518
Australian Lifting Centre Pty Ltd is a registered company with ASIC; dated 12/05/1997,
(Formerly known as Komac (Australia) Pty Ltd)
ABN 58 078 514 584
Customer means the identity of the company or person to whom purchased goods from & invoiced by Australian Lifting Centre.

PRICES & DISCOUNTS

Orders are accepted on the basis of stated prices in effect at the time of placing the order. Orders with conflicting prices will be returned to the customer. Back orders supplied at the price ruling at the time of delivery.
Prices published are deem correct at the time of publication, but subject to change without notice. Orders placed for indent supplies are subject to currency exchange rate variation unless a fixed price is agreed by ALC.

Discounts may be offered from time to time, these prices are only available during this period & providing stock is available.
All prices published or quoted do not include GST. The total of GST payable will be shown separately on the tax invoice.

PAYMENTS

Payments of accounts are strictly net 30 days.
ALC offers a discount of 2% for payment within 10 days; payment must be in our office on the due date to qualify. Payments made direct to our bank are accepted.

A penalty of 1.5% per month is applicable to all accounts overdue 60 days. Fees for rejected cheques & outstanding account recovery will be charged to the customers account.

Indent orders to be covered by irrevocable letter of credit payable 15 days from the day of delivery. No settlement discount is applicable.

DISCLAIMER

All statements, technical information and recommendations contained herein are based on tests believed to be reliable, but no guarantee is given as to their accuracy and / or completeness The user must determine the suitability of our product for its particular purpose, either alone or in combination with other products, and shall assume all risk and liability in connection therewith. Nothing therein should be taken as an inducement to infringe any particular patent.

BANKING (PAYMENT OPTIONS)

Company Cheques
Bank Drafts
Electronic Fund Transfers

RETURNS

A restocking fee of 15% of the purchase price is applicable to all goods returned.
Goods must be in good saleable condition upon return & customer to transport at their cost.

ORDER & DELIVERY TERMS

Minimum invoice value before tax is $50.00 Orders can be placed by Fax, Telephone or through Internet. Orders placed before 12.00pm will be processed on the same day. A fax notice shall be sent to the purchaser if there are any difficulties processing your order.

MINIMUM PURCHASE AMOUNT FOR FIS FOR CAPITAL & MAJOR CITIES

We have a schedule of FIS into the major cities and towns. Please request your FIS schedule when you apply for a account.

All FIS deliveries do not include discount prices, indent prices & other special prices unless pre-quoted. Order must be placed before 12:00PM for same day dispatch.
All non FIS deliveries are via ALC nominated carrier on general freight. Customers may choose to use their own carrier at their cost. Express Freight & Airfreight service are available upon request Charges will be to the account of the purchaser.

GUARANTEE & WARRANTY

No guarantee will be offered for goods not used in accordance with design or Australian Standards. Commercial rated products do not carry a warranty. Product deemed faulty is to be returned to ALC. At the discretion of ALC the product may be replaced or reworked. Goods returned will be re-supplied.
No claim for losses other than the supplied product will be accepted.

DIMENSIONS

All dimensions quoted in published literature are subject to manufacturing & standards tolerances. Specifications change from time to time & these should only be used as a guide. Contact ALC for confirmation before purchase.
Tolerances for commercial product may vary between suppliers & batches, dimensions are for guidance only.

CANCELLATION

Orders must be cancelled prior to goods leaving ALC warehouse. Indent orders will incur charges, all of which are to the account of the purchaser.
All products delivered will be deemed to be correctly supplied unless advised in writing within 7 days of receipt of goods. Goods delivered on FIS basis are based on the signature & date of the carrier.

RESERVATION OF TITLE

Products supplied by ALC shall remain the sole property of ALC until the purchaser has paid in full the value of the goods.
In issuing a purchase order the customers agrees to hold all items purchased until payment is made.
Goods supplied may be reclaimed at any time by ALC if payment not received.

CERTIFICATES

ALC Test Certificates or Letter of Conformance will be issued for all product manufacture & tested to a recognized standard. Certificates will be forwarded with goods unless requested otherwise.
Original Test Certificates will be held by ALC & may be viewed if required. Request for Test Certificates after deliveries will incur a fee of $10.00. No Certificates are available for commercial products.

AUSTRALIAN LIFTING CENTRE PTY LTD

G100 CHAIN &FITTINGS

Breaking The Lifting Barrier

AUSTLIFT®

1300 100 120

WWW.AUSTLIFT.COM.AU

Austlift™ G100 products are manufactured & tested to the requirements of Australian Standard 2321 'Short Link Chain for Lifting Purpose' & AS3776 ' Lifting Components for Grade T Chain Slings' in extremely high quality.

All G100 products are made from alloy steel, the chemical composition conforms to EN1677:2000 specification. They are quenched & tempered, uniformly marked with equivalent chain size, grade, batch number, manufacturer's ID & Product 'Type Code' for positive identification.

Our factory has official approval by Lloyd's for quality management to ISO9002: 1194 in year 2000, approval by TUV (Rheinland) for quality assurance to DIN/EN 1677-1 in year 2001, & by main national certification authorities.

We regard your safety as our priority. Destructive tests are applied to every batch on a random sampling. Test Certificates are available upon request.

When you choose Austlift™ you choose quality.

1300 100 120

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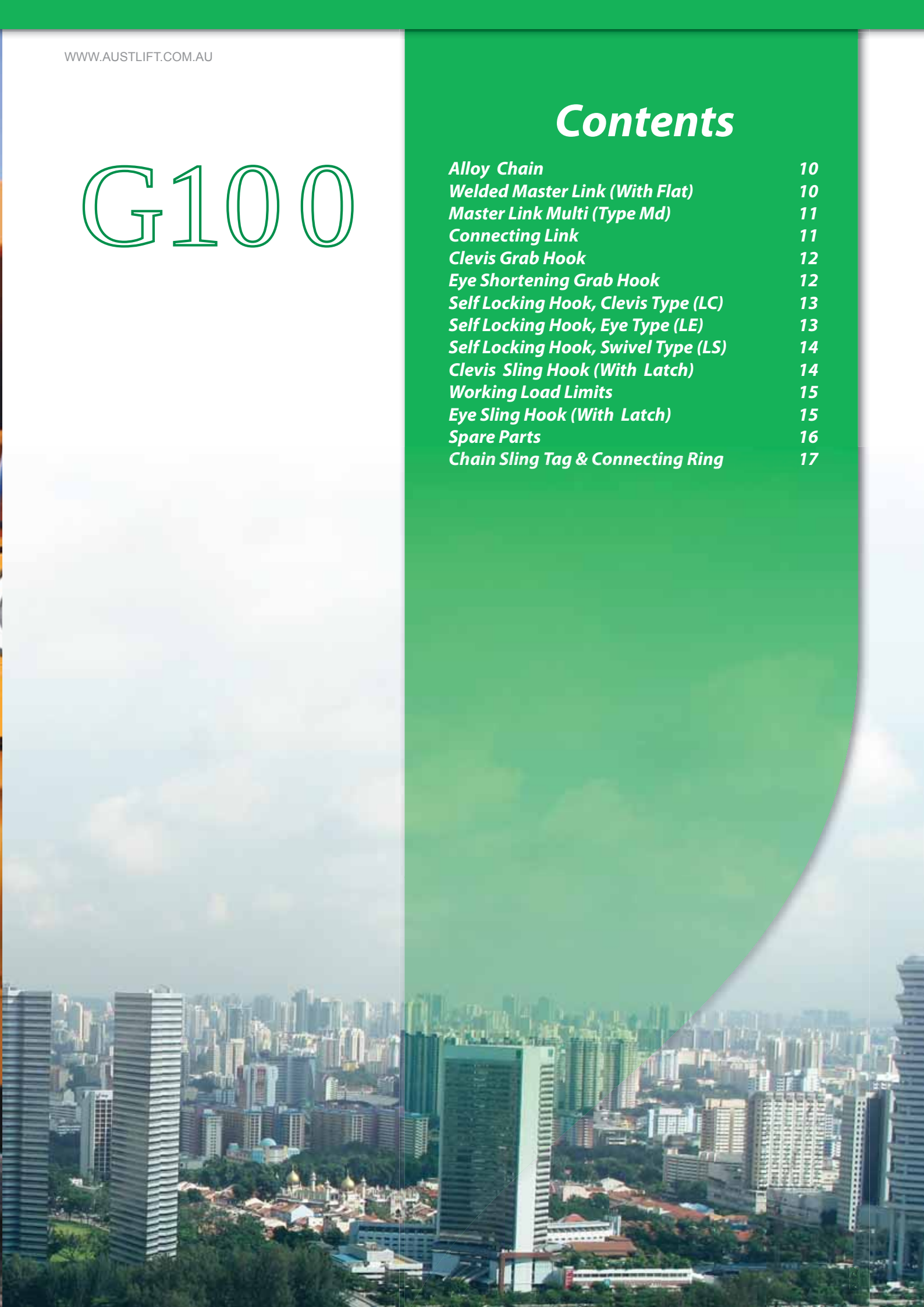
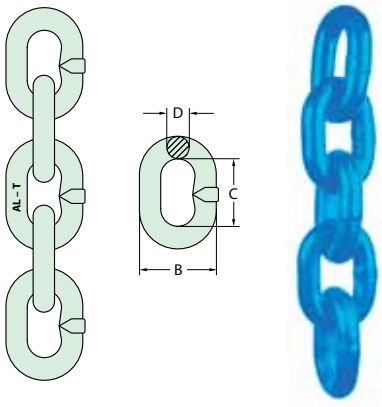
G100

Contents

Alloy Chain	10
Welded Master Link (With Flat)	10
Master Link Multi (Type Md)	11
Connecting Link	11
Clevis Grab Hook	12
Eye Shortening Grab Hook	12
Self Locking Hook, Clevis Type (LC)	13
Self Locking Hook, Eye Type (LE)	13
Self Locking Hook, Swivel Type (LS)	14
Clevis Sling Hook (With Latch)	14
Working Load Limits	15
Eye Sling Hook (With Latch)	15
Spare Parts	16
Chain Sling Tag & Connecting Ring	17



G100 - Alloy Chain



Austlift G100 Chain is made in Germany, generally used for Chain Slings with 25% higher lifting capacity than G80. Manufactured from hardened and tempered alloy steels and has a high resistance to impact and wear to meet critical requirements of AS 2321 “Short Link Chain for lifting purposes”. Chain links are formed from German Wafos link machine technology to produce its high quality of lightweight strength, durability and safety of lifting chain applications.

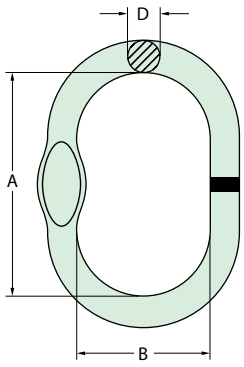
- Sizes available from 8mm to 22mm.
- Marked with chain grade and traceability mark.
- Made from G100 alloy steel with safety factor of 4 to 1.
- Conforms to AS 2321 but with 25% higher work load limit.
- Batch tested, Test Certificates available upon request.

CODE	SIZE	WLL	Wt.	DIMENSIONS		
	mm	tonne	kg per m	B mm	C mm	D mm
171008	8	2.5	1.4	28	24	8
171010	10	4	2.2	35	30	10
171013	13	6.7	3.8	46	39	13
171016	16	10	5.7	56	48	16
171020	20	16	9	70	60	20
171022	22	19	10.9	78	66	22

Welded Master Link (with flat)

Austlift SD Type G100 Head-Rings are designed to cater for single leg and double leg Chain Slings or Wire Rope Sling applications.

- Marked with single and double chain sizes, designation, grade with manufacture quality mark and Austlift branded
- Manufactured from G100 alloy steel with safety factor of 4 to 1
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.

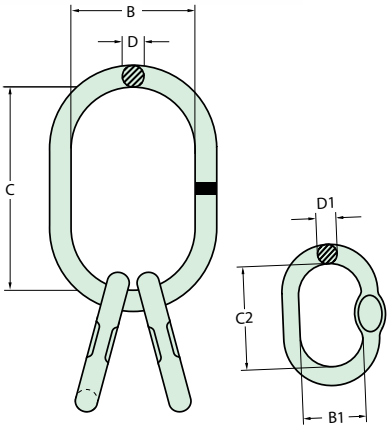


CODE	CHAIN SIZE		WLL	Wt.	DIMENSIONS		
	1 leg mm	2 leg mm	tonne	kg	A mm	B mm	D mm
170008	8	6	2.5	0.4	120	70	14
170010	10	8	4.0	0.7	140	80	17
170013	13	10	7.5	1.5	160	95	22
170016	16	13	10	2.2	190	110	25
170020	20	16	17	5.1	240	140	34
170022	22	20	25	7.2	250	150	38

Master Link Multi (Type MD)

Austlift MD Type G100 Multi Head Rings are designed with a large ring and two intermediate links to cater for two, three and four leg Chain Sling or Wire Rope Sling applications.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Made from G100 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.



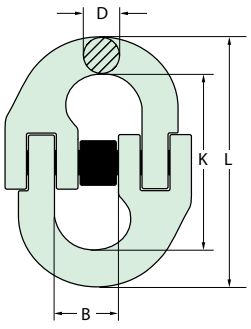
CODE	SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	B mm	B1 mm	C mm	C2 mm	D mm	D1 mm
170106	6	3.5	1.8	90	19	150	120	19	14
170108	8	5	3.0	95	22	160	140	22	17
170110	10	8	6.5	120	30	200	160	30	22
170113	13	14	15	150	40	250	200	40	30
170116	16	21	23	200	50	300	200	50	32

Connecting Link

Austlift CL Type G100 Connecting Links are commonly used to connect head rings, chain, Hooks and other lifting components for Chain Slings. Sizes available from 6mm to 22mm

- Marked with chain size, grade and Austlift branded.
- Made from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Batch tested, Test Certificates available upon request.

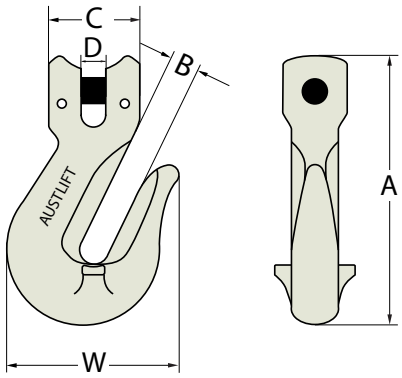
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS			
	mm	tonne	kg	B mm	K mm	D mm	L mm
170206	6	1.4	0.1	14	44.5	7.6	60
170208	8	2.5	0.22	18.5	61.5	10	84.5
170210	10	4	0.45	23	72	12.6	97.2
170213	13	6.7	1.15	27.5	89	16.8	127
170216	16	10	1.75	33.5	103	21	145
170220	20	15.6	2.7	42	116	24.5	175
170222	22	19	4.02	48	135	27	193



Clevis Grab Hook

Austlift GC Type G100 Clevis Grab Hooks provide the flexibility to shorten chain leg on a sling may also be used for back-hooking. Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The clevis is designed for ease of connection of chain.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Made from G100 alloy steel with safety factor of 4 to 1
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.

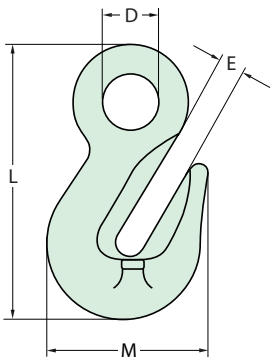


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	A mm	B mm	C mm	D mm	W mm
170306	6	1.4	0.22	75	8	32	7.5	43.5
170308	8	2.5	0.34	91.5	10.8	36	9.5	53
170310	10	4	0.82	126	13.5	46	12	72
170313	13	6.7	1.75	136.5	16.5	59	15	96
170316	16	10	2.88	183.5	19.2	70	17.5	112.5
170320	20	16	4.84	224	24	85	24	143
170322	22	19	8.3	262	27	100	27	160.5

Eye Shortening Grab Hook

Austlift GE Type G100 Eye Grab Hook provide the flexibility to shorten chain leg on a sling may also be used for back-hooking. Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The eye is designed for ease of connection of coup-link.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Made from G100 alloy steel with safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.



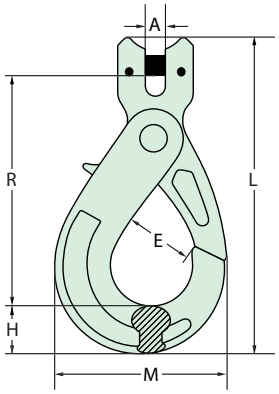
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS			
	mm	tonne	kg	D mm	E mm	M mm	L mm
170406	6	1.4	0.2	14.5	8	43.5	70
170408	8	2.5	0.28	18	10.8	53	91
170410	10	4	0.72	22.5	13.5	42	126
170413	13	6.7	1.6	28	16.5	96	162
170416	16	10	2.45	36	19.2	112.5	182
170420	20	16	4.72	43.5	24	143	225
170422	22	19	8.2	48.5	27	160.5	259

Self Locking Hook, Clevis Type (LC)

Austlift LC Type G100 Clevis Self-Locking Hook allows the hook to be easily closed with one hand, it will close itself when the load is engaged. The Hook will not open until the trigger at the back is pressed. Clevis style allows easy connection to the Chain.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.
- Spare Trigger Kits and Load Pins are available.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	E mm	R mm	H mm	L mm	M mm
170506	6	1.4	0.5	7.5	28	96	20	131	70
170508	8	2.5	0.9	9.5	35.5	123	26	166	90
170510	10	4	1.6	12	45	144	30	196.5	109
170513	13	6.7	2.9	15	53.5	182	40.5	251	138.5
170516	16	10	5.8	17.5	62	217	50.5	303	170.5
170520	20	16	8.6	25	76.5	235	62	337.5	192.5
170522	22	19	12.1	25.5	80	276.5	66	391	205

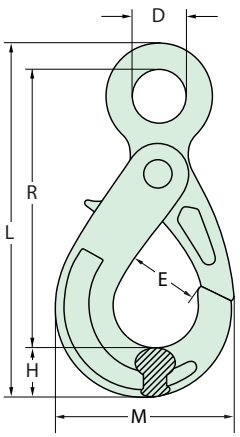


Self Locking Hook, Eye Type (LE)

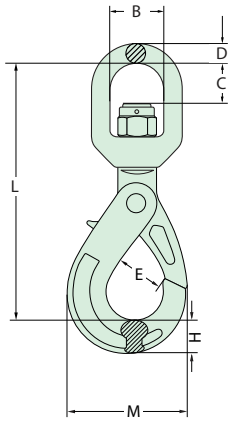
Austlift LE Type G100 Eye Self-Locking Hook allows the hook to be easily closed with one hand, it will close itself when the load is engaged. The Hook will not open until the trigger at the back is pressed. Eye style allows easy connection to Coup Links, Shackles and Wire.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	D mm	E mm	R mm	H mm	L mm	M mm
170606	6	1.4	0.5	21	28	110	20	141	70
170608	8	2.5	0.9	27	35.5	137	26	175	90
170610	10	4	1.5	34.5	45	169	30	212.5	108
170613	13	6.7	2.7	40	53.5	209	40.5	270	138.5
170616	16	10	5.7	50	62	254	50.5	331	170.5
170620	20	16	7.9	60	76.5	277	62	369	192.5
170622	22	19	11.2	70	80	319.5	66	417	205



Self Locking Hook, Swivel Type (LS)



Austlift LS Type G100 Swivel Self-locking Hook have a plain bearing swivel to allow the hook to swivel thus reducing the twist of a sling.

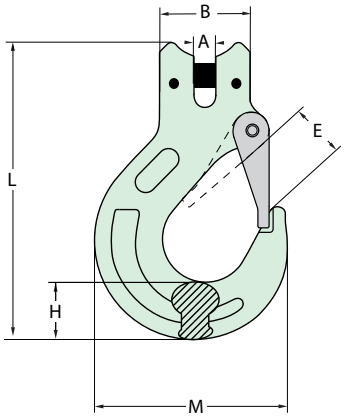
- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.
- Spare Trigger Kits are available.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
	mm	tonne	kg	B mm	C mm	D mm	E mm	H mm	M mm	L mm
170706	6	1.4	0.6	32.5	23	11.5	28	20	70	180
170708	8	2.5	1.1	36	28	13	35.5	26	90	229
170710	10	4	2	42	35	15.5	45	30	109	269
170713	13	6.7	4	50	40	17	53.5	40.5	138.5	330
170716	16	10	6.8	61	56	21.5	62	50.5	170.5	413
170720	20	16	12.5	72	62	26	76.5	62	192.5	463
170722	22	19	17.1	97	94	33	80	66	205	572

Clevis Sling Hook (with Latch)

Austlift SC Type G100 Clevis Sling Hook are a general purpose hook suitable for most slinging applications and comes with a cast latch for added safety.
Clevis allows easy connection to chain.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.

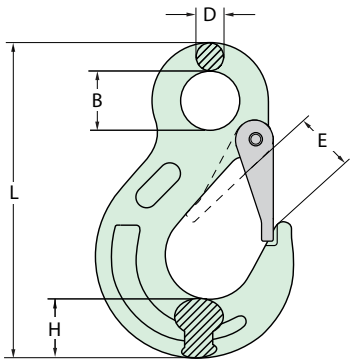


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	E mm	H mm	M mm	L mm
170806	6	1.4	0.33	7.5	32	18.5	21	68.5	109
170808	8	2.5	0.7	9.5	37	25	27.5	88	134
170810	10	4	1.3	12	48	28	33.5	105.5	161.5
170813	13	6.7	2.3	15	59	38	42	134	203
170816	16	10	3.6	17.5	70	44	50	160.5	248
170820	20	16	7.3	25	85	52	56	190.5	297
170822	22	19	12.1	27	100	66	62	214.5	326

Austlift SE Type G100 Eye Sling Hooks are a general purpose hook suitable for most slinging applications and come with a cast latch for added safety. Eye allows easy connection to coup links and can be attached to lifting apparatus.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	B mm	D mm	E mm	H mm	L mm
170906	6	1.4	0.32	20.5	10	18.5	21	111
170908	8	2.5	0.6	25	11	25	27.5	137.5
170910	10	4	1.2	34	16	28	33	171.5
170913	13	6.7	2.2	43	19	38	43.5	219
170916	16	10	3.5	50	24.5	44	50	260
170920	20	16	7.15	55	27	52	56	298

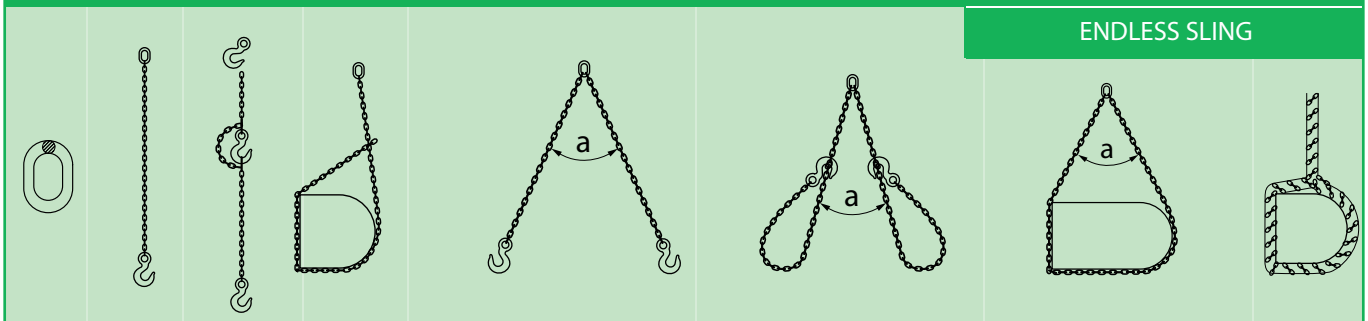


G100 Chain Sling

Austlift can make G100 Chain Slings to your requirement.
Please call 1300 100 120 for a quote.

WORKING LOAD LIMITS (TONNES)

GRADE 100 (T) Chain Slings



DIA	DIRECT LOAD	ADJUSTABLE SLING	CHOKE	DIRECT LOAD			REEVED SLING			BASKET HITCH			ENDLESS SLING REEVED SLING
				60º	90º	120º	60º	90º	120º	60º	90º	120º	
Load Factor	1	1	0.8	1.73	1.4	1	1.3	1.06	0.75	1.3	1.06	0.75	1.5
6	1.4	1.4	1.12	2.4	1.95	1.4	1.82	1.48	1.05	7.8	1.48	1.05	2.1
8	2.5	2.5	2.0	4.3	3.5	2.5	3.25	2.65	1.87	3.25	2.65	1.85	3.75
10	4.0	4.0	3.2	6.9	5.6	4.0	5.2	4.24	3.0	5.2	4.24	3.0	6
13	6.7	6.7	5.2	11.2	9.2	6.7	8.7	7.1	5.0	8.71	7.1	5.0	10.05
16	10.0	10	8.0	17.3	14.1	10	13	10.6	7.5	13	10.6	7.5	15
20	16.0	16.0	12.8	23.6	22.4	16.0	20.8	21.2	12	20.8	21.2	12	24
22	19.0	19.0	15.2	32.8	26.6	19.0	24.7	20.14	14.25	19.0	20.14	14.25	28.5

SPARE PARTS

Safety Latch for Sling Hook

CODE	SIZE	SUIT FOR PRODUCTS	
	mm	Eye	Clevis
030006SP	6	SE-6-10	SC-6-10
030008SP	8	SE-8-10	SC-8-10
030010SP	10	SE-10-10	SC-10-10
030013SP	13	SE-13-10	SC-13-10
030016SP	16	SE-16-10	SC-16-10
030020SP	20	SE-20-10	SC-20-10
030022SP	22	SE-22-10	SC-22-10

Safety Trigger Kit
for Self Locking Hook

CODE	SIZE	SUIT FOR PRODUCTS		
	mm	Eye	Clevis	Swivel
030106	6	LE-6-10	LC-6-10	LS-6-10
030108	8	LE-8-10	LC-8-10	LS-8-10
030110	10	LE-10-10	LC-10-10	LS-10-10
030113	13	LE-13-10	LC-13-10	LS-13-10
030116	16	LE-16-10	LC-16-10	LS-61-10
030120	20	LE-20-10	LC-20-10	LS-20-10
030122	22	LE-22-10	LC-22-10	LS-22-10

CODE	SIZE	SUIT FOR PRODUCTS		
	mm	Clevis Sling Hook	Clevis Self Lock Hook	Clevis Grab Hook
030606SP	6	SC-6-10	LC-6-10	GC-6-10
030608SP	8	SC-8-10	LC-8-10	GC-8-10
030610SP	10	SC-10-10	LC-10-10	GC-10-10
030613SP	13	SC-13-10	LC-13-10	GC-13-10
030616SP	16	SC-16-10	LC-16-10	GC-16-10
030620SP	20	SC-20-10	LC-20-10	GC-20-10
030622SP	22	SC-22-10	LC-22-10	GC-22-10

Pin for Clevis Hook

CODE	SIZE	SUIT FOR PRODUCTS
	mm	
030706SP	6	CL-6-10
030708SP	8	CL-8-10
030710SP	10	CL-10-10
030713SP	13	CL-13-10
030716SP	16	CL-16-10
030720SP	20	CL-20-10
030722SP	22	CL-22-10

Pin and Stud for
Chain connector

Chain Sling Tag & Connecting Ring

Austlift G100 Safe Work Load Tags are essential to identify a Chain Sling's lifting capacity together with other relevant information.

- Single and Multi lifting available.
- Sizes from 8mm to 22mm tags available.
- Manufactured in G304 Stainless Steel material.

SIZE	CODE (Single)	CODE (Multi)
8	090108	090208
10	090110	090210
13	090113	090213
16	090116	090216
20	090120	090220
22	090122	090222

SYDNEY
43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE
47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH
Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE
7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

ALLOY CHAIN &FITTINGS

AUSTLIFT®

1300 100 120

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AUSTLIFT GRADE 80 IDENTIFYING FEATURES

LoadMax®

AUSTLIFT®

LIFTING YOUR BUSINESS TO A HIGHER LEVEL

Batch code

Size & Grade

Batch code

Manufacturers
Quality Approval Mark

CE

Size & Grade

Product ID

Brand

Contents

Austlift G80 Alloy Chain	23
Austlift Grade L Chain	23
Master Link (Type SD)	24
Master Link Multi (Type MD)	24
Chain Connector CL	25
Omega Link (OL)	25
Grab Hook Clevis (GC)	26
Grab Hook Eye (GE)	26
Shortening Clutch, Locking Clevis(CCL)	27
Shortening Clutch, Clevis (CC)	27
Clutch Choker, Clevis Type (CC)	27
Sling Hook, Clevis Type (SC)	28
Sling Hook, Eye Type (SE)	28
Self Locking Hook, Eye Type (LE)	29
Self Locking Hook, Clevis (LC)	29
Self Locking Hook, Swivel Type (LS)	30
Swivel Self Locking Hook, Clevis Type (LT)	30
Grip Self Locking Hook Eye Type(NE)	31
Grip Self Locking Hook Clevis Type(NC)	31
Grip hook, Swivel Type(NC)	32
Swivel Hook with Safety Catch(SS)	32
Drum Hook, Eye Type	32
Foundry Hook, Clevis Type (FC)	33
Elephants Foot	33
Container Hook	33
Universal Weld on Hook (WH)	34
Weld on Point (WP)	34
Hoist Hook , Swivel Type	35
Hoist Hook, Eye Type	35
Lifting Stud	36
Swivel Panel Lifter	36
Spread Anchor	37
Ring Panel Lifter	37
Swivel - Bow/Clevis Type	38
Recess Former Kit	38
Swivel - Eye/Bow Type	39
Swivel - Bow/Bow Type	39
SPARE PARTS	40
Chain Sling Tag & Connecting Ring	41
ADVICE FOR SAFE USE & MAINTENANCE	42
WELDING INSTRUCTIONS	43
PANEL LIFTER INSTRUCTIONS	46

Austlift™ G80 products are manufactured & tested to the requriements of Australian Standard 2321 'Short Link Chain for LIfting Purpose' & AS3776 ' Lifting Components for Grade T Chain Slings' in extremely high quality.

All G80 products are made from alloy steel, the chemical composition conforms to EN1677:2000 specification. They are Quenched & Tempered, uniformly marked with equivalent Chain size, grade, batch number, manufacturer's ID & Product 'Type Code' for positive identification.

Our factory has official approval by Lloyd's for quality management to ISO9002: 1194 in year 2000, approval by TUV (Rheinland) for quality assurance to DIN/EN 1677-1 in year 2001, & by main national certification authorities.

**We regard your safety as our priority.
Destructive test is applied to every batch on a random sampling.
Test Certificates are available upon request.**

When you choose Austlift™ you choose quality.

LoadMax®

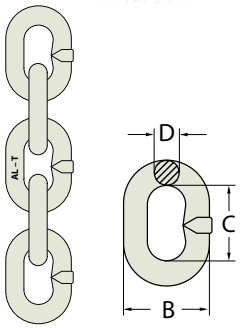
1300 100 120

WWW.AUSTLIFT.COM.AU

Austlift Grade 80 (T) Chain is designed for Chain Slings for industrial lifting applications. It is made from alloy steel, hardened and tempered. It has a high resistance to impact and meets critical requirements of AS2321 “Short link Chain for lifting purposes”.

- Made in Kettenfabrik Chain manufacture in Germany with Admission (H34)
- Sizes available from 6mm to 32mm.
- Marked with Chain grade with traceability mark.
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS2321.

CODE		SIZE	WLL	DIMENSIONS (mm)			WEIGHT
full drum	cut length	mm	tonne	B	C	D	kg per m
101506	101406	6.3	1.12	21	18	6	0.84
101507	101407	7.1	1.5	24	21	7	1.14
101508	101408	8	2	28	24	8	1.41
101510	101410	10	3.15	35	30	10	2.21
101513	101413	13	5.3	46	39	13	3.76
101516	101416	16	8	57	48	16	5.64
101520	101420	20	12.5	70	60	20	7.78
101522	101422	22	15	78	66	22	10.64
101526	101426	26	21.2	91	78	26	14.8
101532	101432	32	31.5	115	96	32	21.6

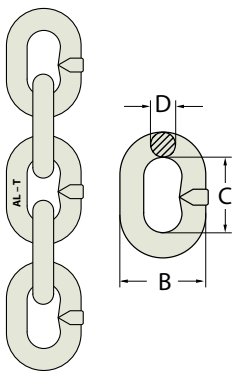


Australian Lifting Centre is sole agent for Kettenfabrik Chain and other Chain manufactures in Australia.

Austlift Grade L Chain

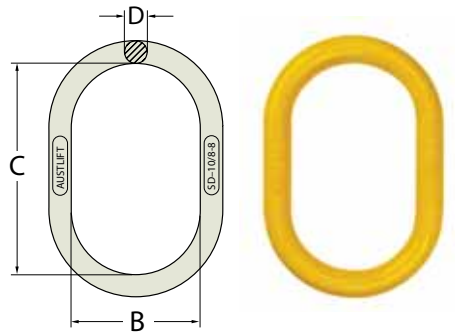
Austlift Grade 30 (L) calibrated Chain is generally used in marine or vertical hanging support applications. It is manufactured from carbon steel which has a high resistance to impact and wear, Meets AS 2321 “Short link Chain for lifting purposes”. Chain is manufactured from German Wafos machine and it has class A hot dipped galvanized.

- Sizes available from 6mm to 13mm.
- Marked with Chain grade with traceability mark.
- Made from carbon steel with safety factor of 5 to 1
- Test Certificates available upon request.
- Conforms to AS2321.



CODE		SIZE	WLL	DIMENSIONS (mm)			WEIGHT
full drum	cut length	mm	tonne	B	C	D	kg per m
101606	101706	6	0.4	21	18	6	0.8
101608	101708	8	0.64	28	24	8	1.43
101610	101710	10	1	35	30	10	2.22
101613	101713	13	1.7	46	39	13	3.73

Master Link (Type SD)

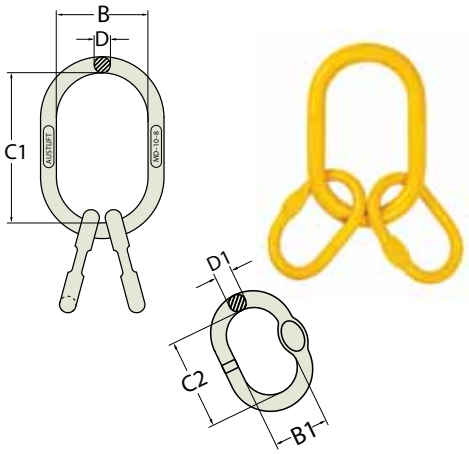


Austlift SD Type Head-Rings are designed to cater for single leg and double leg Chain Slings or Wire Rope Sling applications.

- Marked with single and double Chain sizes, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel, safety factor 4 to 1 for Chain Sling , 5 to 1 for Wire Rope Sling.
- Test Certificates available upon request.
- Conforms to AS3776.

CODE	CHAIN SIZE		WLL	Wt.	DIMENSIONS		
	1 leg mm	2 leg mm	tonne	kg	B mm	C mm	D mm
101006	6	-	1.6	0.23	60	100	11
101008	8	6	1.9	0.44	70	120	14
101010	10	8	3.5	0.76	80	140	17
101013	13	10	5.5	1.48	95	160	22
101016	16	13	9.4	2.25	110	190	25
101020	20	16	13.9	5.32	140	240	34
101022	22	20	22.2	7.04	150	250	38
101026	26	22	27.4	7.86	150	250	40
101032	32	26	36.7	15.2	200	300	50
101036	36	32	54.5	20.54	200	350	55

Master Link Multi (Type MD)



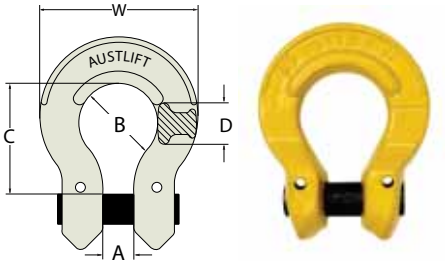
Austlift MD Type Multi Head Rings are designed as a large ring with two intermediate links to cater for two three and four leg Chain Sling or Wire Rope Sling applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel, safety factor 4 to 1 for Chain Sling , 5 to 1 for Wire Rope Sling.
- Test Certificates available upon request.
- Conforms to AS3776.

CODE	SIZE	WLL		Wt.	DIMENSIONS					
		4:1	5:1	kg	B mm	B1 mm	C1 mm	C2 mm	D mm	D1 mm
101206	6	1.9	2.6	1.7	90	60	160	100	17	14
101208	7, 8	3.5	4	1.9	90	60	160	100	20	14
101210	10	5.5	6.4	3.3	120	70	220	150	24	17
101213	13	9.4	13.6	6.7	140	90	270	160	28	25
101216	16	13.9	16	9.3	140	100	270	180	32	27
101220	18, 20	22.2	20.8	19.1	160	140	300	270	40	32
101222	22	27.4	26.4	26.6	180	155	340	285	45	36

Austlift OL Type Omega Links are commonly used in conjunction with recessed Head Rings and Chain for Chain Slings. They are also a popular fitting for variable type slings.

- Marked with Chain size, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

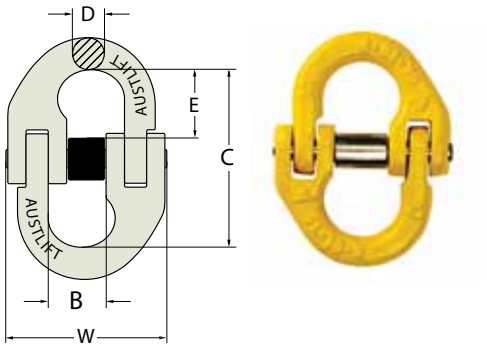


CODE	WLL	Wt.	DIMENSIONS				
	tonne	kg	A mm	B mm	C mm	D mm	W mm
104106	1.12	0.12	8	20.5	25	12	41
104108	2	0.22	10	23.5	35	16	52
104110	3.15	0.36	12	31.5	40.5	17	62
104113	5.3	0.71	15	41	54	20	81
104116	8	1.3	19	49.5	64	26	99

Chain Connector CL

Austlift CL Type Connecting Links are commonly used to connect Head Rings, Chain, Hooks and other lifting components for Chain Slings and a wide variety of other uses.

- Marked with Chain size, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

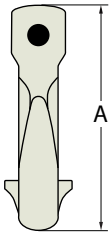


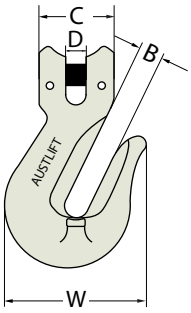
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	B mm	C mm	D mm	E mm	W mm
101806	6	1.12	0.08	15	42	7	18	43
101808	7, 8	2	0.146	18	60.5	8.5	23.5	55
101810	10	3.15	0.3	25	68	11.5	27	69
101813	13	5.3	0.7	29	87	15	32	83
101816	16	8	1.3	34.5	108.4	19.8	41	102
101820	18, 20	12.5	2.1	41	121.5	24	52.5	117
101822	22	15	3.2	48	141.5	26	62	143
101826	26	21.2	4.5	57.5	158	30	64	163
101832	32	31.5	9	67	205	37	86	199

Grab Hook Clevis (GC)

Austlift GC Type Clevis grab hook provides the flexibility to shorten Chain Slings and can be used for back-hooking. Austlift Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The Clevis is designed for easy connection of Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS3776.



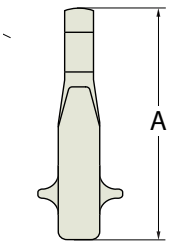


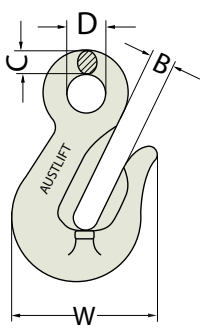
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	A mm	B mm	C mm	D mm	W mm
101906	6	1.12	0.28	78	8	32	7.5	41
101908	7, 8	2	0.3	108	11	36	9	57
101910	10	3.15	0.95	127	13	46	12	70
101913	13	5.3	1.97	163	16	59	15	89
101916	16	8	3.45	204	20	70	17.5	109
101920	18, 20	12.5	5.3	243	23	80	23	130
101922	22	15	7.8	280	26	98	25.5	151
101926	26	21.2	14.5	309	30	110	30	175

Grab Hook Eye (GE)

Austlift GE Type Eye grab hook provides the flexibility to shorten Chain Sling and can be used for back-hooking. Austlift Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The eye is designed for easy connection of Chain Connector.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS3776.



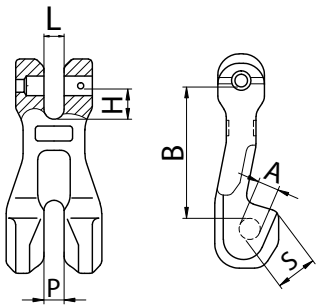


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	A mm	B mm	C mm	D mm	W mm
102006	6	1.12	0.25	76.5	8	8	13	45
102008	7, 8	2	0.4	106	11	9.5	16	63
102010	10	3.15	0.6	126	13	12	20	79
102013	13	5.3	1.2	156	16	15	25	100
102016	16	8	2.7	193	20	19	28.5	122
102020	18, 20	12.5	4.3	226	25	20	36	150.5
102022	22	15	6.4	269	26	27	42	169
102026	26	21.2	9.8	298	30	32	45	175
102032	32	31.5	19.4	361	38	38	57	189

Shortening Clutch, Clevis (CC)

Austlift CC Type Shortening Clutch have the advantage of shortening a Chain Sling without loss of the working load limit of the sling. The Clevis allows easy connection to Chain. Not recommended for use as a bottom fitting of sling for back-hooking and reeving applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.

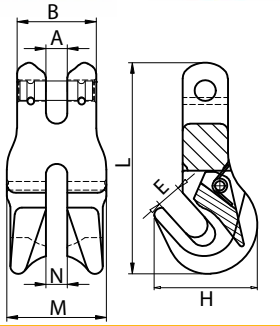


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	P mm	L mm	H mm	S mm
102106	6	1.1	0.17	8	44	7.5	7.5	10.3	12
102108	7,8	2	0.41	10.5	61.7	9.5	9.5	14	17
102110	10	3.2	0.97	12.4	92	13	13	18.4	28
102113	13	5.3	2	16	115	16.5	16.5	22.7	34.5
102116	16	8	3.32	19.5	143	21	21	28.5	40
102120	18,20	12.5	6.2	23	152	23.5	23.5	33.6	46
102122	22	15	8.5	26	195	25.5	25.5	39	57.5

Shortening Clutch, Locking Clevis(CCL)

Austlift SC Type Lockable Clutches have the advantage of shortening a Chain Sling without loss of the working load limit. The clevis allows easy connection to Chain with the added safety of a Chain locking devise to prevent the Chain to dislodge from the hook.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS3776, Test Certificates available upon request.

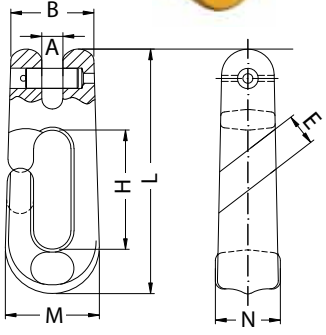


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
	mm	tonne	kg	A mm	B mm	E mm	M mm	N mm	H mm	L mm
102140	10	3.2	0.99	12	44.5	14	56	12	58	121

Clutch Choker, Clevis Type (CC)

Austlift CC Type Clevis Choker Hooks are a special purpose Hook suitable for choke hitch applications. The narrow throat opening prevents the Chain from being dislodged The clevis allows easy connection to Chain.

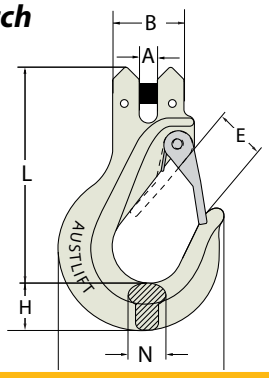
- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.



CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
	mm	tonne	kg	A mm	B mm	H mm	M mm	N mm	E mm	L mm
103420	8	2	0.68	10.5	41	60	46.5	32	16	123

Sling Hook, Clevis Type (SC)

With Forged Steel Latch



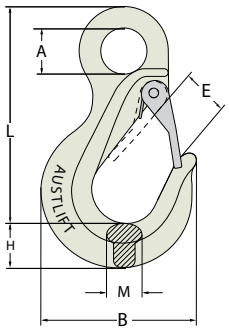
Austlift SC Type Clevis Sling Hooks are a general purpose hook suitable for most slinging applications. They come with cast latch for added safety. Clevis allows easy connection to Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	E mm	N mm	H mm	L mm
102906	6	1.12	0.3	7.5	32	22	18	20.5	121
102908	7, 8	2	0.5	9	36	25.5	18	23.5	137
102910	10	3.15	0.95	12	46	34	20	30	175.5
102913	13	5.3	1.9	15	59	41.5	29.5	37.5	210.5
102916	16	8	3.45	17.5	70	46	34	42.5	248.5
102920	18, 20	12.5	6.5	23	80	52	45	54	309
102922	22	15	9.65	25.5	98	60	48	76	375.5

Sling Hook, Eye Type (SE)

With Forged Steel Latch



Austlift SE Type Eye Sling Hooks are a general purpose hook suitable for most slinging applications. They come with heavy duty latch for added safety. Eye allows easy connection to coup links and can be attached to lifting apparatus.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

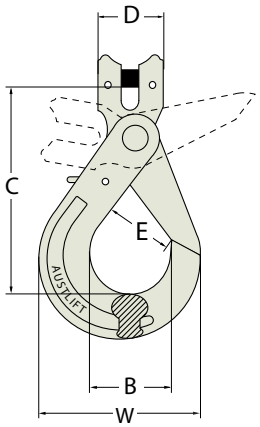
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	E mm	H mm	M mm	L mm
103006	6	1.1	0.3	20	74	22	20.5	18	122
103008	7, 8	2	0.5	25.5	83	26	23.5	18	138.5
103010	10	3.2	0.8	32.5	107	34	30	20	176.5
103013	13	5.3	1.9	39.5	134.3	41	37.5	29.5	218
103016	16	8	3.4	50	157.5	44	42.5	34	260
103020	18, 20	12.8	5.3	60	189	52	53	44	310
103022	22	15	8.9	68	239	60	74	50	375.5
103026	26	21.2	13.4	75	245	71	83	63	412
103032	32	31.5	19	88	250	102	95	76	446

Self Locking Hook, Clevis (LC)

Austlift LC Type Clevis Self-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the trigger at the back is pressed. The clevis style allows easy connection to the Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	B mm	C mm	D mm	E mm	W mm
102206	6	1.1	0.4	34	96	32	28	69
102208	7,8	2	0.7	46	118.5	36	36	88
102210	10	3.15	1.5	58	144	46	45	107
102213	13	5.3	2.7	69	181.5	59	50	138
102216	16	8	5.6	86	216	70	60	182
102220	18, 20	12.5	10.5	92	238	81	72	204
102222	22	15	13.8	98	276	98	78	205
102226	26	21.2	18.2	110	311	118	106	240

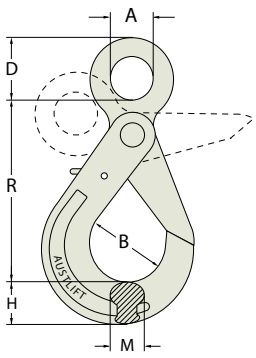


Self Locking Hook, Eye Type (LE)

Austlift LE Type Eye Self-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the trigger at the back is pressed. The eye style allows easy connection to Chain Connectors, Shackles and Wire Rope Slings.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits are available.

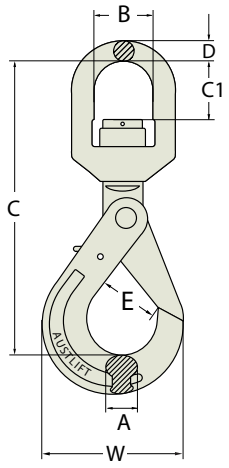
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	D mm	R mm	H mm	M mm
102306	6	1.1	0.5	22	34	10.5	110.5	20	15
102308	7,8	2	0.8	25	46	12	136	24	20
102310	10	3.15	1.5	32	58	13	169	28	26
102313	13	5.3	2.8	40	69	16.5	208	40.5	32.5
102316	16	8	5.4	50	86	20	254.5	50.5	41
102320	18, 20	12.5	10	61	92	26.5	290	62	50
102322	22	15	13.4	72	98	30	320	65	52
102326	26	21.2	18.5	80	110	34.3	362	75	60
102332	32	31.5	44.5	105	166	45	472	97	79.5



Self Locking Hook, Swivel Type (LS)

Austlift LS Type Swivel Self-Locking hook have a ball bearing swivel to allow the hook to swivel under load thus reducing the twist of a sling. Designed with enlarged eye for passing larger Shackles without disassemble of the hook.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Ball bearing swivel allows the hook to rotate under full load.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Swivel Bow head are available.

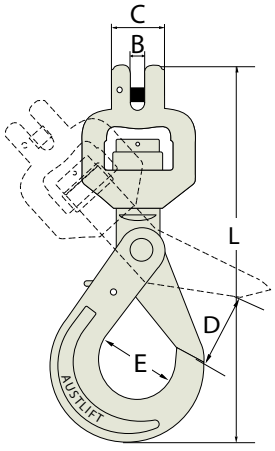


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
	mm	tonne	kg	A mm	B mm	C mm	C1 mm	D mm	E mm	W mm
102406	6	1.1	0.71	15	32.5	164.5	35	11.5	28	69.7
102408	8	2	1.12	20	36	204	42	13	36.5	88
102410	10	3.15	2	26	42	240.5	50	15.5	45	107.7
102413	13	5.3	4	32.5	50	284.5	60	17	53.6	137
102416	16	8	7.3	38	61	350.5	65	21.5	61	165.5

Swivel Self Locking Hook, Clevis Type (LT)

Austlift LT type Swivel Self locking hook, Clevis Type, fitted with a ball bearing which will allow the hook to swivel under load. The clevis type will let chain connected to the hook directly which makes the chain sling compact and friendly to use.

- Marked with chain size, product ID, Grade and Manufacture's ID.
- Manufactured from G80 Material with safety factor of 4 to 1.
- Test certificate available upon request.
- Spare Trigger Kits and Swivel Clevis head are available.
- Conforms to AS3776.



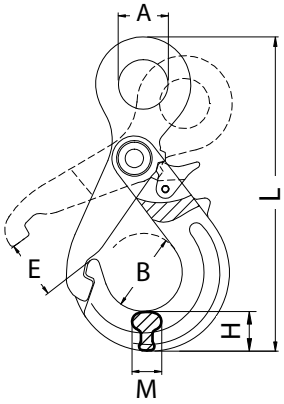
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	B mm	C mm	D mm	E mm	L mm
103106	6	1.12	0.73	8	32	28	34	180
103108	8	2	1.3	9.5	37	34	46	227.5

Grip Self Locking Hook Eye Type(NE)

Austlift NE Type Eye Grip-Locking Hook allows the hook to remain open until the load is engaged, the hook will not open until the Trigger at the back is pressed. Eye style allows easy connection to the Chain and also has a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.

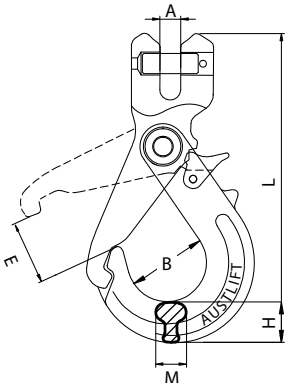
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	E mm	H mm	L mm	M mm
102608	8	2	0.75	25	40	34	21.5	163	18
102610	10	3.15	1.2	32	50	42	26.5	201.5	22.5
102613	13	5.3	1.93	40	60	50	31	243.5	29
102616	16	8	3.4	50	70	60	39.5	298	35



Grip Self Locking Hook Clevis Type(NC)

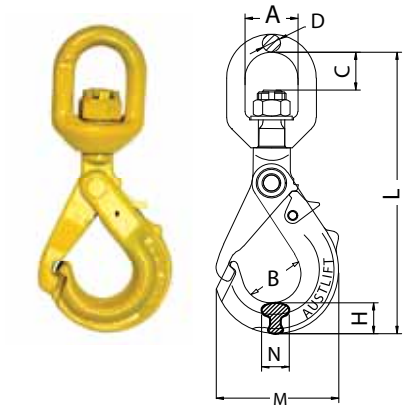
Austlift NC Type Clevis Grip-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the Trigger at the back is pressed. Clevis style allows easy connection to the Chain and also has a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.



CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	H mm	E mm	M mm	L mm
102508	8	2	0.8	9.5	40	21.5	36	18	149

Grip hook, Swivel Type(NC)



Austlift NC Type Swivel Self-Locking Hooks are designed with a plain bush bearing swivel to allow the hook to reduce twist under load. They also have a unique design to prevent side loading of the latch.

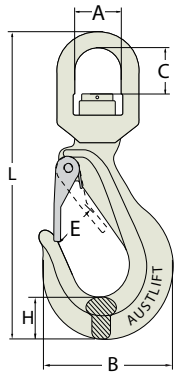
- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Swivel Bow head are available.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
	mm	tonne	kg	A mm	B mm	C mm	D mm	N mm	M mm	L mm
102708	8	2	0.97	35.5	40	26	12.5	18	83	193.5
102710	10	3.15	1.83	42	50	33	15	22.5	101	233
102713	13	5.3	3.3	50	60	39	18	29	121	273

Swivel Hook with Safety Catch(SS)

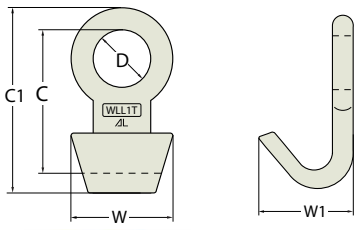
Austlift SS Type Swivel Sling Hooks are designed with a plain bush bearing swivel thus allowing the hook to swivel under load. Comes with heavy duty Safety Latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Latch Kits are available.



CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
	mm	tonne	kg	A mm	B mm	C mm	E mm	H mm	L mm
102808	8	2	0.85	36	88.5	26	27	23.5	190
102810	10	3.15	1.54	42	104.5	34	32	29.5	233
102813	13	5.3	3.04	49	135	41	40	38	291.5
102816	16	8	5.36	61	161	53	45	45.4	352

Drum Hook, Eye Type



Austlift Eye Drum Hooks are used in pairs. They are designed to lift and transport steel drum with drum lid in place.

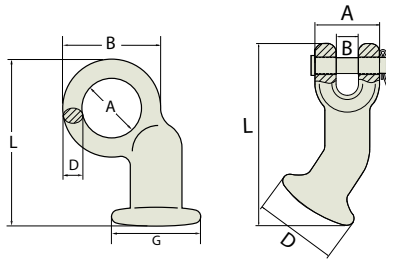
- Manufactured from grade 80 alloy steel.
- Drop forged and heat treated.
- Conforms to AS3776 for G80 fittings.
- Individually proof tested at 2 x WLL
- Test Certificates available upon request.

CODE	WLL	DIMENSIONS				
	tonne	C mm	C1 mm	D mm	W mm	W1 mm
104401	1t/pair	109	118.5	38	59	60

Elephants Foot

Austlift Elephants Foot are commonly used as a lashing point to secure trucks, cars, container chassis and other vehicles on ships and barges in the marine industry.

- Lashing capacity of 5,000 kg with a minimum break load of 20,000 kg.
- Test Certificates available upon request.

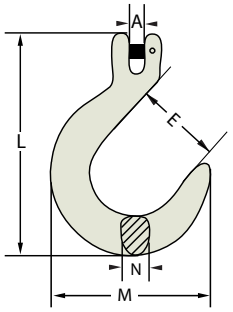


CODE		LC	MBS	Wt.	DIMENSIONS				
	type	kg	ton	kg	A mm	B mm	D mm	G mm	L mm
106100	Eye	5000	20	0.67	28	60	16	52.5	116
106200	Clevis	5000	20	0.97	16	46	59	-	130

Foundry Hook, Clevis Type (FC)

Austlift FE Type Clevis Foundry Hooks are a special purpose hook with large mouth opening, The clevis allows easy connection to the chain. Suitable for lifting pipes and foundry applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

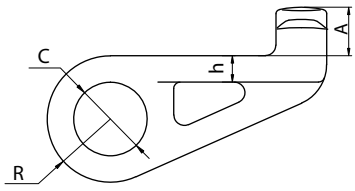


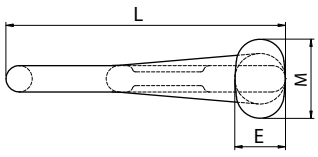
CODE	TYPE	WLL	Wt.	DIMENSIONS				
	mm	tonne	kg	A mm	E mm	M mm	N mm	L mm
107008	7,8	2	1.1	9.5	63.4	128	18	161
107010	10	3.15	2.5	13	76.9	156	32	199

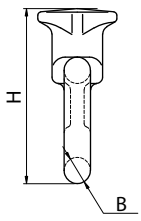
Container Hook

Austlift Eye Type Container Hooks are a special purpose hook suitable for lifting containers by connection to twist lock pocket. The large diameter eye allows most hooks size to fit. There is left and right hand configurations and a straight configuration available.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.

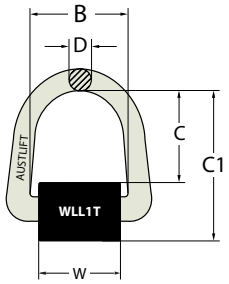






CODE		CHAIN SIZE		WLL	Wt.	DIMENSIONS								
		G80 mm	G100 mm	tonne	kg	A mm	B mm	C mm	E mm	R mm	M mm	L mm	H mm	h mm
104410	Straight	20	19	12.5	4	46	25	70	48	60	75	265	166	25
104412	LH 45	20	19	12.5	4	46	25	70	48	60	75	265	166	25
104413	RH 45	20	19	12.5	4	46	25	70	48	60	75	265	166	25

Weld on Point (WP)



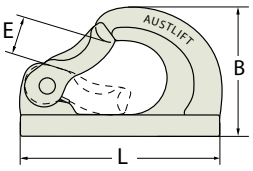
Austlift WP Type Weld on Lifting Points can be welded on any carbon steel surface as a lifting point, or to be used as a fixed anchor point for spreader beam attachment. Can also be used as an anchor point for load restraint applications.

- Marked with work load limit, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from treated alloy steel with safety factor of 4:1
- Conforms to AS3776, Test Certificates available upon request.
- Welding instructions supplied with each unit

CODE	WLL	Wt.	DIMENSIONS				
	tonne	kg	B mm	D mm	C mm	C1 mm	W mm
104001	1	0.55	55	14	35	95.7	50
104003	3	0.9	64	17	50	99	58
104005	5	1.8	70	22	70	137	64
104008	8	2.5	85	26.5	90	144	66.5

Universal Weld on Hook (WH)

With Latch



Austlift WH type Weld-on Hooks are a versatile hook for lifting and spreader beam attachment applications, can also be used for any fixed anchor point after welding the hook on.

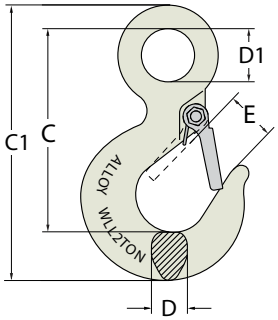
- Marked with work load limit, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with safety factor of 4:1
- Conforms to AS3776, Test Certificates available upon request.
- Welding instructions supplied with each unit

CODE	CHAIN SIZE	WLL	B.L	Wt.	DIMENSIONS		
	mm	tonne	tonne	kg	B mm	E mm	L mm
103801	6	1.1	5.5	0.35	53	18	87
103802	7, 8	2	10	0.55	63.5	26	112
103803	10	3.2	16	0.87	75	30	127.5
103805	13	5.3	26.5	1.75	92.5	35	160
103808	16	8	40	3.0	106	40	180
103812	22	12.5	62.5	6.16	140	51	236

Hoist Hook, Eye Type

Austlift International Eye Hoist Hooks with Safety Latch are commonly used for general lifting applications such as Wire Rope Slings or Winch Cables.

- Manufactured from forged alloy steel quenched and tempered.
- Capacities available from 1 ton to 11 ton.
- Marked with work load limit and alloy.
- Conforms to AS3777 with safety factor of 4:1
- Latch kits are available as spare part.
- Test Certificates available upon request

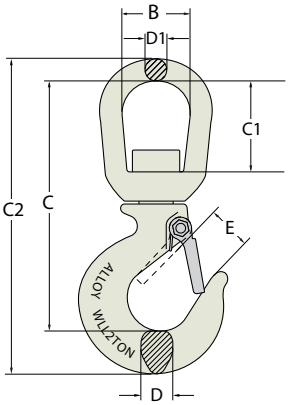


CODE	WLL	B.L	Wt.	DIMENSIONS				
	tonne	tonne	kg	C mm	C1 mm	D mm	D1 mm	E mm
104510	1	5	0.28	82	110	16	19	22
104515	1.5	7.5	0.4	93.5	125	17.5	23	23
104520	2	10	0.65	103	140.5	21	28	24
104530	3	15	0.94	119	162	23	31	27.5
104545	4.5	25	1.95	146	201	30	39	33
104570	7	35	3.77	186.5	256	38	51	40
104599	11	55	6.80	231.5	317	46	62	51

Hoist Hook , Swivel Type

Austlift International Swivel Eye Hoist Hooks with Safety Latch are commonly used for general lifting and can also be towing applications.

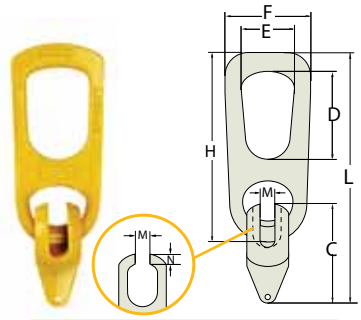
- Manufactured from forged alloy steel quenched and tempered.
- Capacities available from 1 ton to 11 ton.
- Marked with work load limit and alloy.
- Conforms to AS3777 with safety factor of 4:1
- Latch kits are available as spare part.
- Test Certificates available upon request



Special Note: This hook is a positioning device & is not intended to rotate under load.
Use in salt water requires the shank & nut to be inspected regularly.

CODE	WLL	Wt.	DIMENSIONS						
	tonne	kg	B mm	C mm	C1 mm	C2 mm	D mm	D1 mm	E mm
105010	1	0.34	32	108	22.5	136	16	9	17
105015	1.5	0.57	37.5	133.5	29.5	163.5	16	12	22.5
105020	2	1.02	42.5	150.5	33	192	17.5	15.8	26
105030	3	1.24	42.5	163	33	209	23	15.8	26
105045	4.5	2.25	48	191	39	246	31	18	32.5
105070	7	4.66	64	243.5	53	313	34	25	43
105099	11	7.4	70	277	53	364	41.5	28.5	49.5

Swivel Panel Lifter



WARNING **ANCHOR AND CLUTCH MUST BE MATCHED.**

Austlift Panel Lifters are a versatile lifting product for lifting pre-cast concrete products such as construction panels, pipes, columns etc.

- Marked with workload limit, serial number and Austlift branded.
- Made from G80 alloy steel with a safety factor of 5 to 1.
- Conforms to AS3850, Test Certificates available with each unit.

CODE	WLL	Wt.	DIMENSIONS						
	tonne	kg	C mm	D mm	E mm	F mm	H mm	M mm	L mm
141001	1.3	0.89	80.4	70.5	45	73	157	11.5	181
141002	2.5	1.3	99	85	57	88	190	16	220
141005	5	3.24	133	88	69	110	233	22	271
141010	10	10	176	116	83	161	336.5	30	386
141020	20	20.37	228	133.5	107.5	182	437	42	497
141030	32	47	325	188	160	272	555	52	760

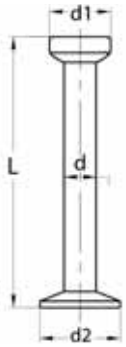
Regularly Check Table*

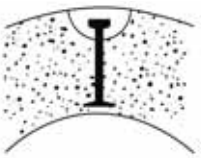
WLL(T)	M max (mm)	N min(mm)
1.3	13	5.5
2.5	18	5.5
5	25	8
10	32	12
20	46	18
32	58	24

*Panel Lifters should be checked regularly follow the Regularly Check Table.

Lifting Stud

Austlift Lifting Stud is a type of transport anchor, used for transportation of precast concrete elements. The Lifting Stud is used together with Lifting Clutch and Recess Former Round. These Lifting Stud should be mounted into precast concrete element together with Recess Former Round. After concrete is stable, Recess Former Round must be taken out and lifting clutch must be used for lifting of the precast concrete element.



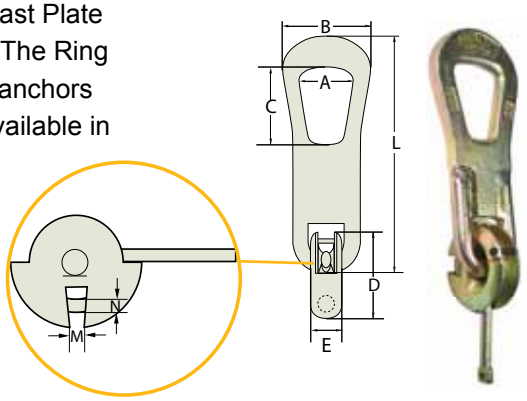


WLL	DIMENSIONS				
	d	d1	d2	CODE: L mm	
tonne	mm	mm	mm	CODE	CODE	CODE
1.3	10	18	25	741065: 65mm / 741085: 85mm / 741120: 120mm 741240: 240mm / 741360: 360mm		
2.5	14	25	35	742045: 45mm / 742055: 55mm / 742075: 75mm 742085: 85mm / 742120: 120mm / 742140: 140mm 742170: 170mm / 742280: 280mm		
4	18	35	45	744075: 75mm / 744100: 100mm / 744120: 120mm 744170: 170mm / 744210: 210mm / 744240: 240mm 744340: 340mm / 744420: 420mm /		
5	20	36	50	745055: 55mm / 745065: 65mm / 745075: 75mm 745085: 85mm / 745095: 95mm / 745110: 110mm 745180: 180mm / 745240: 240mm / 745340: 340mm 745480: 480mm		
7.5	24	46	60	746085: 85mm / 746095: 95mm / 746100: 100mm 746120: 120mm / 746140: 140mm / 746165: 165mm 746200: 200mm / 746300: 300mm / 746540: 540mm 746680: 680mm		
10	28	46	70	747115: 115mm / 747135: 135mm / 747150: 150mm 747170: 170mm / 747250: 250mm / 747340: 340mm 747680: 680mm /		
15	34	69	85	748140: 140mm / 748165: 165mm / 748200: 200mm 748300: 300mm / 748400: 400mm		
20	38	69	98	749200: 200mm / 749240: 240mm / 749340: 340mm 749500: 500mm / 749600: 1000mm		

Ring Panel Lifter

Austlift Ring Clutch is a lifting device which is used together with Austlift Cast Plate Anchors. Ring Clutches are used for lifting large precast concrete panels. The Ring Head of the clutch has a locking bolt, which helps to safely lock into plate anchors while the concrete panels is in lifting process. Austlift Ring Clutches are available in a variety of lifting capacities to suite to your work.

- Capacities available from 2.5 tonne to 10 tonne.
- All clutches are proof loaded, Test Certificate supplied.
- Ring Clutches have a safety factor of 5 to 1.



WARNING **ANCHOR AND CLUTCH MUST BE MATCHED.**

CODE	WLL	DIMENSIONS					
	tonne	A mm	B mm	C mm	D mm	E mm	L mm
141102	0.7-2.5	52	92	70	74	30	285
141105	3.0-5.0	71	120	86	98	36	285
141110	5.3-10.0	90	156	112	139	50	353

Regularly Check Table*		
WLL (T)	M max (mm)	N min (mm)
0.7-2.5	13	12
3.0-5.0	19.5	15.5
5.3-10.0	23.5	22.5

*Panel Lifters should be checked regularly follow the Regularly Check Table.

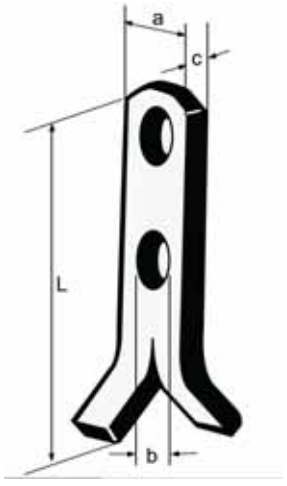
Spread Anchor

0.7-2.5T WLL	DIMENSIONS				
CODE	tonne	a mm	b mm	c mm	L mm
730711	0.7	30	14	5	110
731411	1.4	30	14	6	110
731416	1.4	30	14	6	160
732013	2.0	30	14	8	130
732016	2.0	30	14	8	160
732021	2.0	30	14	8	210
732515	2.5	30	14	10	150
732520	2.5	30	14	10	200
732525	2.5	30	14	10	250

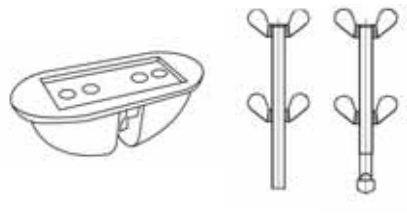
Austlift RR Anchors are produced from high strength low alloy steel plates. Austlift RR Anchors have high tensile strength and good elongation. Due to special material, Austlift RR Anchors has high impact test value and can be used under low temperature circumstances (up to - 20)
Upper hole of RR Anchor is used for connection with Austlift Ring Clutch. Bottom hole is used for reinforcement.
Due to reinforcement, force is transmitted to precast concrete element.
Austlift Two Holes Anchor can be used for lifting of precast concrete girders, plates other elements.

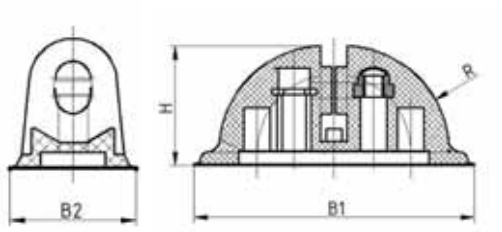
3-5T WLL	DIMENSIONS				
CODE	tonne	a mm	b mm	c mm	L mm
733016	3.0	40	18	10	160
733020	3.0	40	18	10	200
733028	3.0	40	18	10	280
734018	4.0	40	18	12	180
734024	4.0	40	18	12	240
734032	4.0	40	18	12	320
735018	5.0	40	18	15	180
735024	5.0	40	18	15	240
735040	5.0	40	18	15	400

5.3-10T WLL	DIMENSIONS				
CODE	tonne	a mm	b mm	c mm	L mm
735322	5.3	60	26	12	220
735326	5.3	60	26	12	260
735334	5.3	60	26	12	340
737526	7.5	60	26	16	260
737530	7.5	60	26	16	300
737542	7.5	60	26	16	420
739030	10	60	26	20	300
739037	10	60	26	20	370
739052	10	60	26	20	520



Recess Former Kit





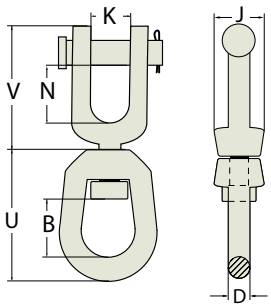
Austlift Recess Former kit are special lifting accessories which used together with Austlift Lifting Stud and Austlift Lifting Clutch. They are needed to create a hole in the concrete element, when lifting stud is mounted to the concrete. After concrete is stable, Austlift Recess Former is taken out and lifting clutch is used to lift the precast concrete element.
Austlift Recess Former Round is made from rubber. Each size has a different colour, which makes identification of load class easier.

CODE	WLL.	DIMENSIONS				
	ton	B1 mm	B2 mm	R mm	H mm	Wt kg/pc
141132	2.5	106	43	40	45	0.13
141135	5	134	55	56	59	0.24
141137	10	188	78	80	81	0.66

Swivel - Bow/Clevis Type

WARNING

Note: Swivels are intended as positioning devices and are not to rotate under load. Applications in corrosive environment requires shank and nut inspection and lubrication regularly.



Austlift Swivel Type Bow & Clevis are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

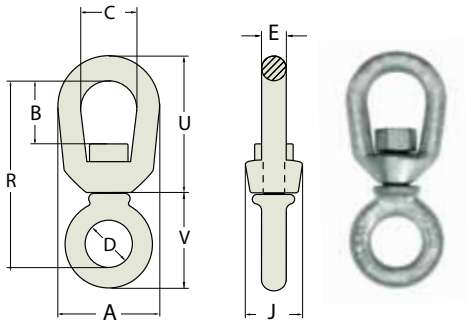
- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.

CODE	SIZE	WLL	Wt.	DIMENSIONS						
	mm	tonne	kg	B mm	D mm	J mm	K mm	N mm	U mm	V mm
109206	6	0.39	0.1	17.5	6	17.5	11.9	22.4	42.9	42.9
109208	8	0.57	0.15	20.6	8	20.6	12.7	22.4	52	46
109210	10	1.02	0.30	23.9	10	25.4	16	26.9	63.5	57
109212	12	1.63	0.61	33.3	12	33.3	18.1	33.3	81	73
109216	16	2.36	1.12	39.5	16	41.4	23.9	38.1	98.5	87
109220	20	3.27	1.76	44.5	20	47.8	28.7	44.5	109	102
109225	25	5.67	4.46	58.5	25	67	44.5	71.5	146	151

Swivel - Eye/Bow Type

Austlift Swivel Type Eye & Bow are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.

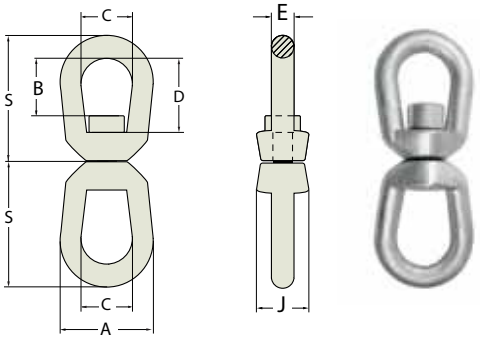


CODE	SIZE	WLL	Wt.	DIMENSIONS								
	mm	tonne	kg	A mm	B mm	C mm	D mm	E mm	J mm	R mm	U mm	V mm
109006	6	0.39	0.06	31.8	17.5	19.1	15.7	6	17.5	57	42.9	31.8
109008	8	0.57	0.11	41.4	20.6	25.4	19.1	8	20.6	69	52.5	37.3
109010	10	1.02	0.24	51	23.9	31.8	25.4	10	25.4	87	63.5	47.8
109012	12	1.63	0.51	63.5	33.3	38.1	31.8	12	33.3	108	81	62
109016	16	2.36	0.95	76.2	39.6	44.5	38.1	16	38.1	130	98.5	74.5
109020	20	3.27	1.4	89	44.5	51	44.5	20	47.8	147	125	88
109025	25	5.72	3.2	92	56	62	52.5	25	56.3	156	134	95

Swivel - Bow/Bow Type

Austlift Swivel Type Bow & Bow are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.



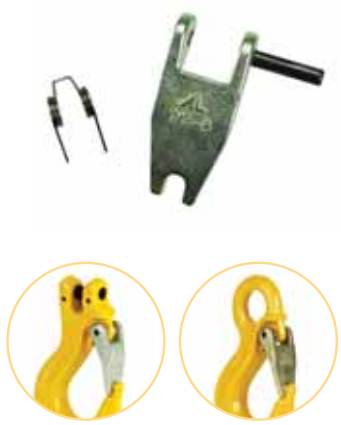
CODE	SIZE	WLL	Wt.	DIMENSIONS						
	mm	tonne	kg	A mm	B mm	C mm	D mm	E mm	S mm	J mm
109106	6	0.39	0.1	31.8	17.5	19.1	26.9	6	42.9	17.5
109108	8	0.57	0.18	41.4	20.6	25.4	31.8	8	52	20.6
109110	10	1.02	0.32	51	23.9	31.8	38.1	10	63.5	25.4
109112	12	1.63	0.6	63.5	33.3	38.1	51	12	81	33.3
109116	16	2.36	1.13	76	39.5	44.5	60.5	16	98.5	38.1
109120	20	3.27	1.82	89	44.5	51	67	20	109	47.8
109122**	22	4.5	2.4	100	50.3	55.5	57	23.1	120	55
109125	25	5.67	4.06	114	58.5	63.5	89	25	146	60.5

** 109122: Delete stock line after sold out.

WARNING

Note: Swivels are intended as positioning devices and are not to rotate under load. Applications in corrosive environment requires shank and nut inspection and lubrication regularly.

Spare Parts for Hooks



Safety Latch for Sling Hook

CODE	SIZE	SUIT FOR PRODUCTS		
	mm	Eye	Clevis	Swivel
030006SP	6	SE-6-8	SC-6-8	SS-6-8
030008SP	7/8	SE-7/8-8	SC-7/8-8	SS-7/8-8
030010SP	10	SE-10-8	SC-10-8	SS-10-8
030013SP	13	SE-13-8	SC-13-8	SS-13-8
030016SP	16	SE-16-8	SC-16-8	SS-16-8
030020SP	20	SE-20-8	SC-20-8	SS-20-8
030022SP	22	SE-22-8	SC-22-8	SS-22-8
030026SP	26	SE-26-8	SC-26-8	SS-26-8
030032SP	32	SE-32-8	SC-32-8	SS-32-8

Safety Trigger Kit
for Self Locking Hook

CODE	SIZE	SUIT FOR PRODUCTS		
	mm	Eye	Clevis	Swivel
030106	6	LE-6-8	LC-6-8	LS-6-8
030108	7/8	LE-7/8-8	LC-7/8-8	LS-7/8-8
030110	10	LE-10-8	LC-10-8	LS-10-8
030113	13	LE-13-8	LC-13-8	LS-13-8
030116	16	LE-16-8	LC-16-8	LS-61-8
030120	20	LE-20-8	LC-20-8	LS-20-8
030122	22	LE-22-8	LC-22-8	LS-22-8
030126	26	LE-26-8	LC-26-8	LS-26-8
030132	32	LE-32-8	LC-32-8	LS-32-8

Safety Catch for
Hoist Hook and Swivel Hook

CODE	WLL	SUIT FOR PRODUCTS	
	tonne	Hoist Hook	Swivel Hook
030210SP	1	104510	104510
030215SP	1.5	104515	104515
030220SP	2	104520	104520
030230SP	3	104523	104530
030245SP	4.5	104545	104545
030270SP	7	104570	104570
030290SP	11	104599	104599

CODE	WLL	SUIT FOR PRODUCTS
	tonne	
030201SP	1	WH-1-8
030202SP	2	WH-2-8
030203SP	3	WH-3-8
030205SP	5	WH-5-8
030208SP	8	WH-8-8

Safety Latch Kit for Weld on Hook

CODE	SIZE	SUIT FOR			
	mm	Clevis Sling Hook	Clevis Self Lock Hook	Clevis Grip Hook	Clevis Grab Hook
030306SP	6	SC-6-8	LC-6-8	GLC-6-8	GC-6-8
030308SP	7/8	SC-7/8-8	LC-6-8	GLC-6-8	GC-7/8-8
030310SP	10	SC-10-8	LC-6-8	GLC-6-8	GC-10-8
030313SP	13	SC-13-8	LC-6-8	GLC-6-8	GC-13-8
030316SP	16	SC-16-8	LC-6-8	GLC-6-8	GC-16-8
030320SP	20	SC-20-8	LC-6-8	GLC-6-8	GC-20-8
030322SP	22	SC-22-8	LC-6-8	GLC-6-8	GC-22-8
030326SP	26	SC-26-8	LC-6-8	GLC-6-8	GC-26-8

Pin for Clevis Hook

CODE	SIZE	SUIT FOR PRODUCTS
	mm	
030506SP	6	CL-6-8
030508SP	7/8	CL-7/8-8
030510SP	10	CL-10-8
030513SP	13	CL-13-8
030516SP	16	CL-16-8
030520SP	20	CL-20-8
030522SP	22	CL-228
030526SP	26	CL-26-8
030532SP	32	CL-32-8

Pin and Stud for Chain connector

Chain Sling Tag & Connecting Ring

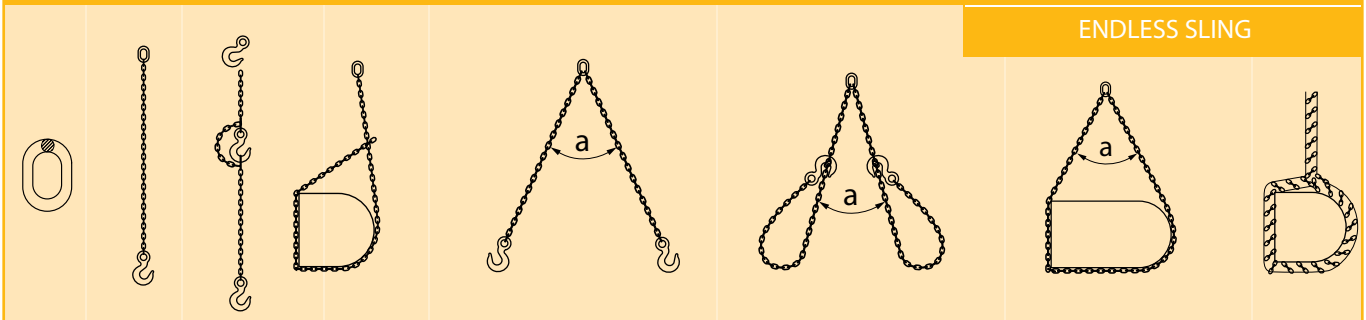
Austlift G80 Safe Work Load Tags are essential to identify a Chain Sling's lifting capacity together with other relevant information.

- Single and Multi lifting available.
- Sizes from 6mm to 16mm and blank tags available.
- Manufactured in 304 stainless steel material.

SIZE	CODE (Single)	CODE (Multi)
Blank	100100	100200
6	100106	100206
7	100107	100207
8	100108	100208
10	100110	100210
13	100113	100213
16	100116	100216

WORKING LOAD LIMITS (TONNES)

GRADE 80 (T) Chain Slings



DIA	DIRECT LOAD	ADJUSTABLE SLING	CHOKE HITCH	DIRECT LOAD			REEVED SLING			BASKET HITCH			ENDLESS SLING REEVED SLING
				60º	90º	120º	60º	90º	120º	60º	90º	120º	
6	1.1	1.1	0.8	1.9	1.6	1.1	1.5	1.2	0.8	1.5	1.2	0.8	1.7
7	1.5	1.5	1.1	2.6	2.1	1.5	1.95	1.6	1.1	1.95	1.6	1.1	2.2
8	2.0	2.0	1.5	3.5	2.8	2.0	2.6	2.1	1.5	2.6	2.1	1.5	3.0
10	3.2	3.2	2.4	5.5	4.5	3.2	4.1	3.4	2.4	4.1	3.4	2.4	4.8
13	5.3	5.3	4.0	9.2	7.5	5.3	6.9	5.6	4.0	6.9	5.6	4.0	8.0
16	8.0	8.0	6.0	13.8	11.3	8.0	10.4	8.5	6.0	10.4	8.5	6.0	12.0
20	12.5	12.5	9.4	21.6	17.6	12.5	16.3	13.3	9.4	16.3	13.3	9.4	18.8
22	15.0	15.0	11.3	26.0	21.2	15.0	19.5	15.9	11.3	19.5	15.9	11.3	22.5
26	21.2	21.2	15.9	36.7	29.9	21.2	27.6	22.5	15.9	27.6	22.5	15.9	31.8
32	31.5	23.6	23.6	54.5	44.4	31.5	41.0	33.4	23.6	41.0	33.4	23.6	47.3

ADVICE FOR SAFE USE & MAINTENANCE

Use

- Keep a register of all slings in use
- Never lift with a twisted Chain
- Chain Slings should be shortened with a shortening hook, never by knotting
- Protect the Chain against sharp edges by proper padding
- Never point load a hook - The load should always seat correctly in the bowl of the hook
- Always use the correct size sling for the load allowing for the included angle and the possibility of unequal loading
- The Master Link should always be able to move freely on the crane hook
- Avoid snatch-loading at all times.

Maintenance

Periodic examinations must be carried out by a competent person at least every 6 months or more frequently according to statutory regulations, type of use, past experience and harsh environment.

1. Chains with bent links or with cracks or gouges in the link should be replaced. As should deformed components such as bent Master Links, opened up Hooks and any fitting showing signs of damage.
2. The wear and tear of the Chain and components shall in no place exceed 10% –is defined as the reduction for the mean diameter of the material measured in two directions.
3. Overloaded Chain Slings must be taken out of service. Permanent elongation of Chain is max 5% and permanent increase of hook opening max 10%.

Assymetric Loading Conditions

For unequally loaded Chain Slings we recommend that the working load limits be determined as follows:

- 2-leg slings calculated as the corresponding 1-leg slings
- 3-leg and 4 leg slings calculated as the corresponding 2-leg slings.

Acidic Chemicals & Atmosheres

Chain and components Grade G80 must not be used in acidic conditions or corrosive environment.
Note: Hot dip galvanizing or plating is not allowed outside the control of the Chain manufacturer.
Use of a Grab Hook 6mm to 26mm does not reduce the WLL of a sling, thanks to supporting lugs on either side of hook to prevent Chain link deformation. Use of a shortening hook 32mm will reduce a sling to 25% of its WLL.

Extreme Temperature Conditions

For G80 Chain Slings the "in-service" temperature of the whole or part of the Chain Sling affects the working load limit as follows:

TEMPERATURE OF SLING	ALLOY PRODUCTS REDUCTION IN WORKING LOAD LIMIT
–40° to 200°C	None
+200° to 300°C	10%
+300° to 400°C	25%
+400°	DO NOT USE

All Austlift Alloy products meet the requirements of AS2321 for Chain and AS3775 for fittings.
All Austlift Chain and fittings are manufactured to Lloyds Register Quality Assurance EN ISO 9001:9004 which is the direct equivalent to AS3901.

WELDING INSTRUCTIONS

For Austlift Weld on Hook (WH) & Lifting Point (WP)

TEMPERATURES	WLL REDUCTION
–40° to 200°C	None
+200° to 300°C	10%
+300° to 400°C	25%
Over + 400°C	Do not use

Guide for electrodes to use

AS 1553.1:	E4818 Grade 4-6
AWS A5.1:	E7018-1 or equivalent
BS 639:	51 56B 110 26(H)
DIN 1913:	E 51 54 B10
ISO 2560:	E 51 5 B 120 20H

PRODUCT	MAX. WIDTH OF PLATE (mm)	MAX. HEIGHT OF PLATE (mm)	MIN THICKNESS OF PLATE (mm)	MIN. THICKNESS OF FILLET WELD (mm)
WH-1-8	800	800	11	11
WH-3-8	1290	1290	19	19
WH-5-8	1560	1560	24	24
WH-8-8	1780	1780	30	30
WH-12-8	1930	1930	35	35
WP-1-8	800	800	11	11
WP-2-8	1050	1050	15	12
WP-3-8	1290	1290	19	13
WP-5-8	1560	1560	24	24
WP-8-8	1780	1780	30	30

WARNING

This chart provides the basic information of size of supporting material. The thicker the material, the bigger the plate that can be used. Please contact your nearest distributor for further information.

General

To properly install and weld an Austlift Weld-on Hook and Lifting Point requires a competent person who has experience in the lifting or load restraint industry It also requires a qualified, experienced welder to perform the welding job.

Positioning

The following precaution should be observed when you are positioning the fitting.

1. This product shall be in the correct position to withstand all angles of the load strain
2. Positioned so that it cannot cause any damage to the product or other parts of the equipment to which it is welded.
3. The use of this product can not cause any injury to persons operating equipment.
4. Can not cause any unintentional unhooking when in use.
5. Placed in a position so that it can be easily hooked and unhooked safely.
6. The product does not hinder any operation eg: lifting or excavation
7. If this product is used for an excavator it should be welded in the middle upper part of the bucket
8. A qualified person shall certify that the product can be taken into service.

Warning

UNDER NO CIRCUMSTANCES SHOULD YOU EXCEED THE WORK LOAD LIMIT OF THIS PRODUCT

1. Do not use these products in an acidic environment
2. Contact you supplier for advice if these products are used in a corrosive environment
3. Do not treat this product with electric or hot dip galvanizing at any time

Lifting

1. When handling loads this must be done smoothly and free from jerking motions.
2. Never apply the load directly on the latch or on the tip of the hook.
3. Side loading is not permitted for weld on Hooks.
4. When lifting the load you should use the bottom part of the hook and the latch should be in closed position.

The components should be taken out of service immediately if any of the above faults are detected.

Welding

1. Material:

Take note of the tensile strength of supporting material to weld to. The following is a guide to determine the correct minimum height, length and thickness to ensure the right strength of support material in mild steel

2. Electrodes:

Any welding of this product should be carried out by a qualified person. Electrodes or wire shall be for use with low alloy or non-alloy steel.
Electrodes must be free from any moisture and wire free from rust before any kind of welding is to be carried out.
Recommended Welding Electrode; AS/NZS 1553, ISO 2560, DIN EN 499 BS EN 499 or equivalent.

3. Welding:

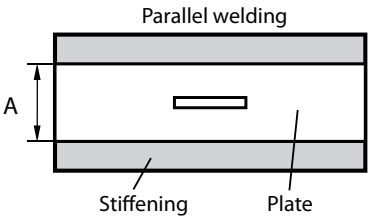
- Make sure all areas to be welded are cleaned and free from rust, paint, dirt, etc...
- The surface to be welded should be preheated. Ensure correct welding procedures are adopted in this case.
- First position to hook or lifting point then tack weld all four corners
- Then continuously weld the bottom joint and fill weld all around. Make sure the lifting point is welded to the ends of the bow.
- To reach maximum penetration, ensure that the welding torch or electrode is held 45° degree angle.
- It is recommended that you weld the top joint of the hook with a larger electrode
- Ensure that there are no cracks or pores in the welds or welded area
- Allow the weld to cool at room temperature. Do not use water or a fan to cool the weld
- All bare and unwelded areas should be painted to avoid rust
- All moving parts should be well lubricated after welding
- MIG Welding has less penetration than others and it is not recommended for welding
- G80 components

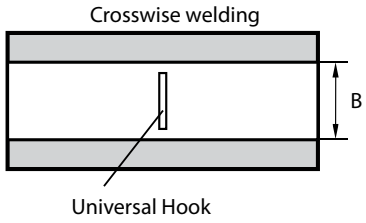
Inspection

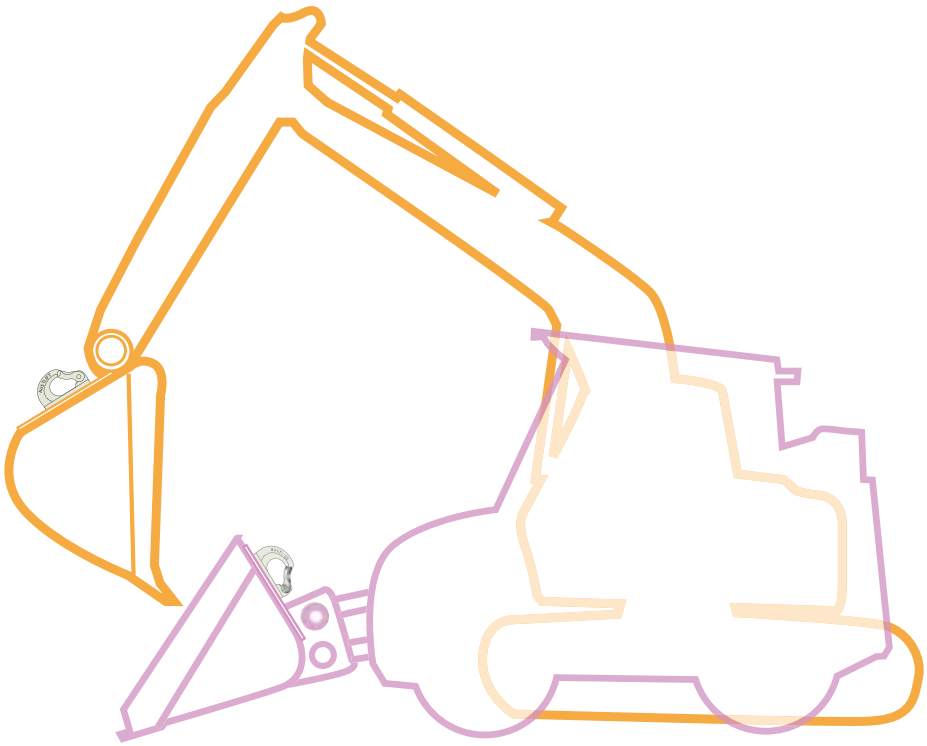
A qualified person should inspect components regularly to maintain safe operating procedures.

1. Check for bent, nicks, wear, stretch, and elongation of the components
2. Check for any signs of corrosion
3. Check for any scoring or cracks on all welds and components
4. Check the latch, rivet and spring. Latch shall be working properly

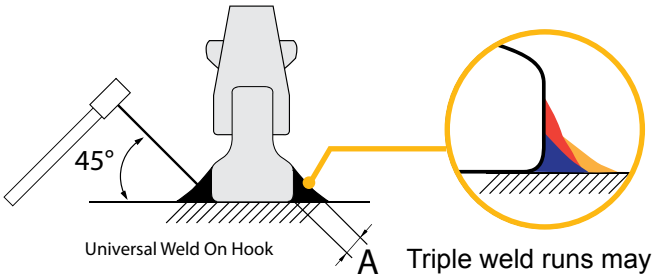
1 POSITION



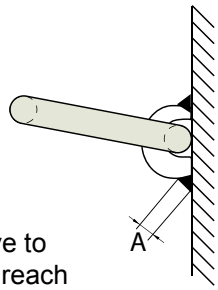


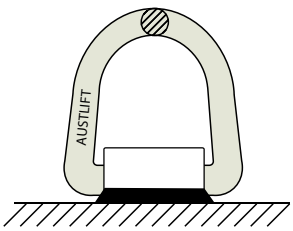


2 WELDING

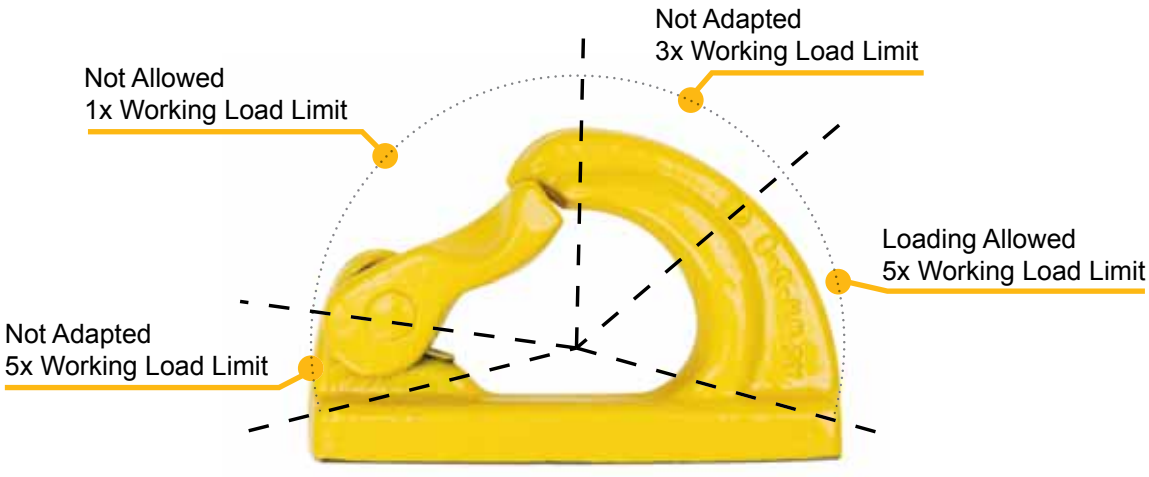


Triple weld runs may have to be conducted in order to reach minimum weld fillet area (A)





3 LOADING



PANEL LIFTER INSTRUCTIONS

COUPLING

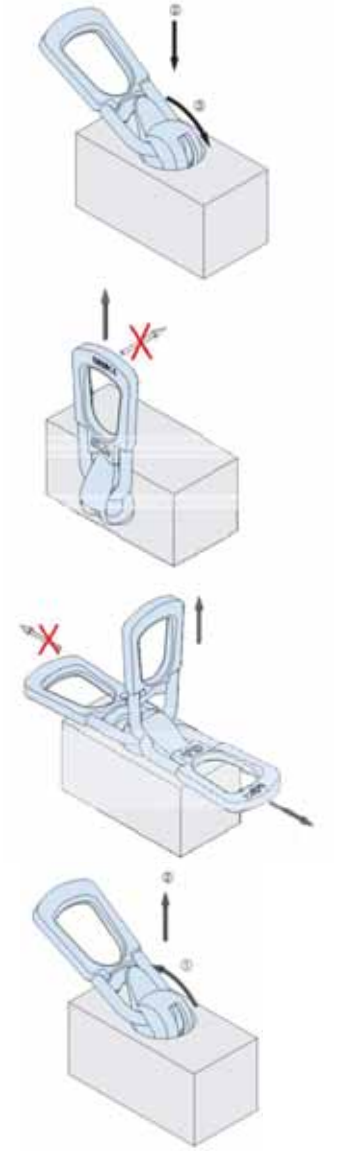
1. Check the load duty of the Anchor
2. To connect the Clutch to the Anchor, the sphere is pushed with its opening facing downwards over the Anchor.
3. The tongue of the sphere is then turned downwards to close around the Anchor.

LIFTING

The Clutch is suitable for axial loads and pitching. The unit can also be swivelled on the Clutch when pitching the unit, the tongue must be in the closed position as shown.
Due to the counterweight of the tongue the sphere is always kept in the correct position, even if the load is released.
Turning the Clutch Head under load is limited by friction. Small quantities of grease are permitted if necessary.

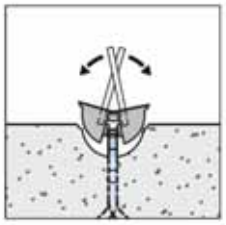
RELEASE

1. When the load is taken off, release the Clutch by turning the sphere with the tongue as shown.
2. Lift the Clutch away and do not let it dangle over the anchor.



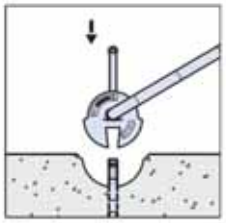
SWIVEL PANEL LIFTER INSTRUCTIONS

1



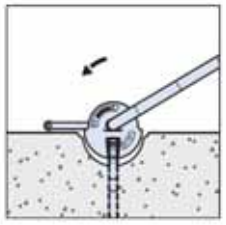
To demould the Recess Former, insert two rods into the holes and levered out by scissors action. This procedure can avoid damage the Recess Former.
Attempting to remove the Recess Former using the tip of a carpenter's hammer will destroy it.

2



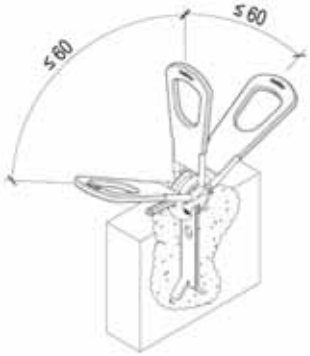
To transport the concrete panel, an appropriate Ring Clutch should be inserted over the Anchor Head which is in the concrete recess.
The load ranges are designed to mismatch-proof.

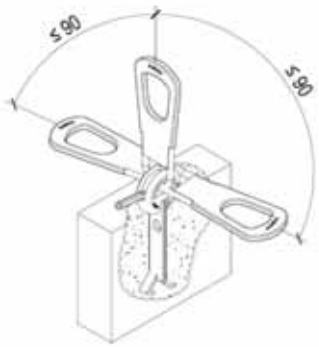
3

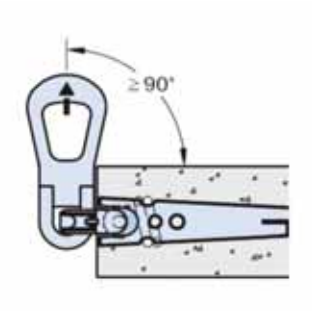


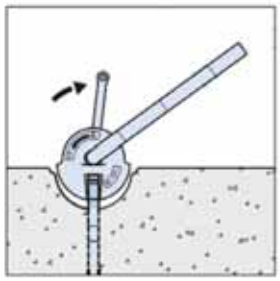
The Ring Clutch is positively locked by a simple hand-operated movement of the locking bolt. In resulting, the connection is safe, and the Clutch is free to move in any direction.
The precast panel can now be lifted out of the mould for transporting.

Before lifting the precast concrete unit, remove as many sections of the mould as possible to minimise adhesion to the mould. Inadequate demoulding is the most common cause of flaking of the precast concrete unit as the forces acting on the lift system may be several times the actual weight of the precast unit.
The Ring Clutch is to use for all load directions. Maximum load of Anchor and Clutch must be considered. Angle pull caused by spreaded Chain suspension is limited by maximal 60°.



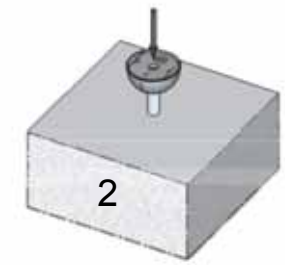


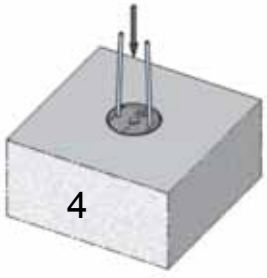


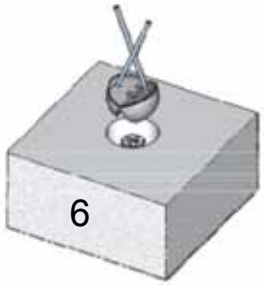


Release the Clutch
The Ring Clutch can be released manually by pushing back the locking bolt once the device is off-load.

RECESS FORMER INSTRUCTIONS







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AUSTRALIAN LIFTING CENTRE PTY LTD

MATERIAL HANDLING & HOISTING EQUIPMENT

AUSTLIFT®

1300 100 120

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Contents

Load Cell	51
Chain Block (W3 Series)	52
Chain Block (W3 Series)	53
Lever Block (L3 Series)	54
Light Duty Snatch Block	54
Heavy Duty Snatch Block	55
Heavy Duty Snatch Block	55
Permanent Magnetic Lifter	56
Wire Rope Winch	56
Wire Rope Winch Instructions	57
Electric Chain Hoist	58
Electric Wire Rope Hoist	59
Swivel Hoist Frame	59
Mini Wire Rope Hoist	60
Universal Plate Clamp	60
Horizontal Plate Clamp	60
Girder Clamp	61
Push Trolley	61
Geared Trolley	62
Drum Trolly	62
Drum Lifter	62
Chain Block Spare Parts	63
Level Block Spare Parts	64
Plate Clamps Repair Kits	65
Level Block Spare Parts	65
Snatch Block Sb01 Spare Parts	66

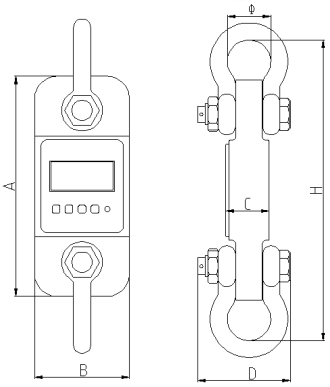
Austlift Shackle Link Load cells are used for measuring the accurate weight of an object to be lifted or tensioned mainly for use for the crane and rigging industry, test laboratories also research and development facilities.

- Robust construction and large digital display with back light feature.
- Capacities available from 1 tonne to 200 tonne with accuracy of 0.1%.
- Capable of measuring loads in pounds, tonnes and kilogram units.
- Battery operated with low battery and overload warning feature.
- All load cells comes with two shackles and remote in heavy duty carry case.

WARNING

The remote control is not recommended for use in explosive environments.
Load cells should not be exposed in heavy moisture conditions for long periods.
Aluminium load cell units are not suitable to be used in mine sites.

Model	Max. Capacity (Kg)	Min. Weight (Kg)	Division (Kg)	Total Display Counts(N)
160001	1000	10	0.5	2000
160002	2000	20	1	2000
160003	3000	20	1	3000
160005	5000	40	2	2500
160010	10000	100	5	2000
160020	20000	200	10	2000
160030	30000	200	10	3000
160050	50000	400	20	2500
160100	100000	1000	50	2000
160200	200000	2000	100	2000



Product Code	WLL	Div	A	B	C	D	Φ	H	Material
	T	kg	mm	mm	mm	mm	mm	mm	
160001	1	0.5	245	112	37	190	43	335	Aluminium
160002	2	1	245	116	37	190	43	335	Aluminium
160003	3	1	260	123	37	195	51	365	Aluminium
160005	5	2	285	123	57	210	58	405	Aluminium
160010	10	5	320	120	57	230	92	535	Alloy Steel
160020	20	10	420	128	74	260	127	660	Alloy Steel
160030	30	10	420	138	82	280	146	740	Alloy Steel
160050	50	20	465	150	104	305	184	930	Alloy Steel
160100	100	50	570	190	132	366	229	1230	Alloy Steel
160200	200	100	725	265	183	440	280	1380	Alloy Steel

Code	160001	160002	160003	160005	160010	160020	160030	160050	160100	160200
Unit Weight (Kg)	1.6	1.7	2.1	2.7	10.4	17.8	25	39	81	210
Weight with Shackle (Kg)	3.1	3.2	4.6	6.3	24.8	48.6	87	128	321	776

W3 Series

Chain Block (W3 Series)

Austlift industrial Grade W-3 series manually operated Chain Blocks are used for general hoisting operation such as mining, construction, industrial lifting and domestic applications.

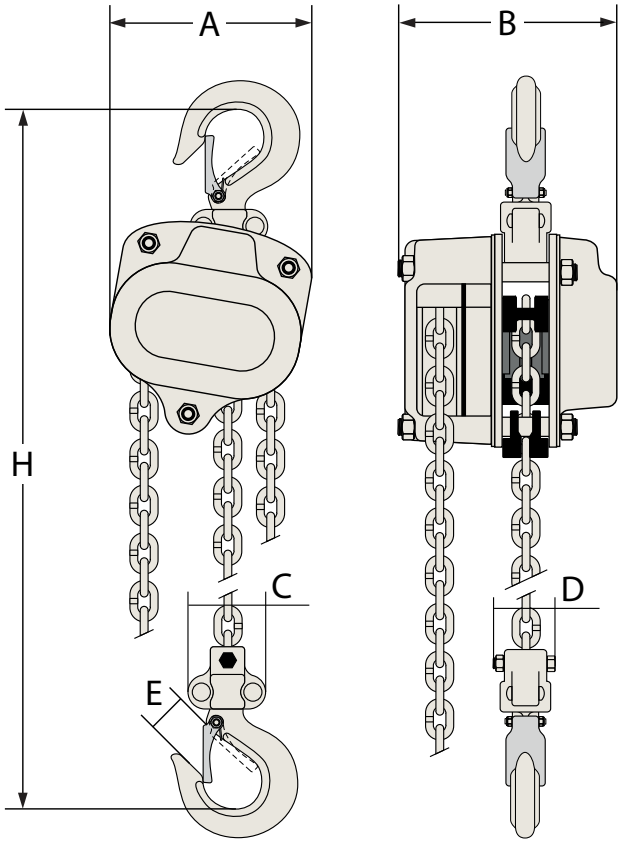
- Rated capacities from 500kg to 20 tonne.
- Standard height of lift is 3 and 6 metre. Other height of lift available upon request.
- Manufactured for ease of operation, and light weight in design.
- Robust, durable and compact in construction
- All blocks come with ball bearing Swivel Hook.
- Individually serial numbered with Test Certificate and instruction manual supplied.
- Conforms to AS1418.2 standards.
- Spare parts available refer to page 63.

Please check operation manual for more details

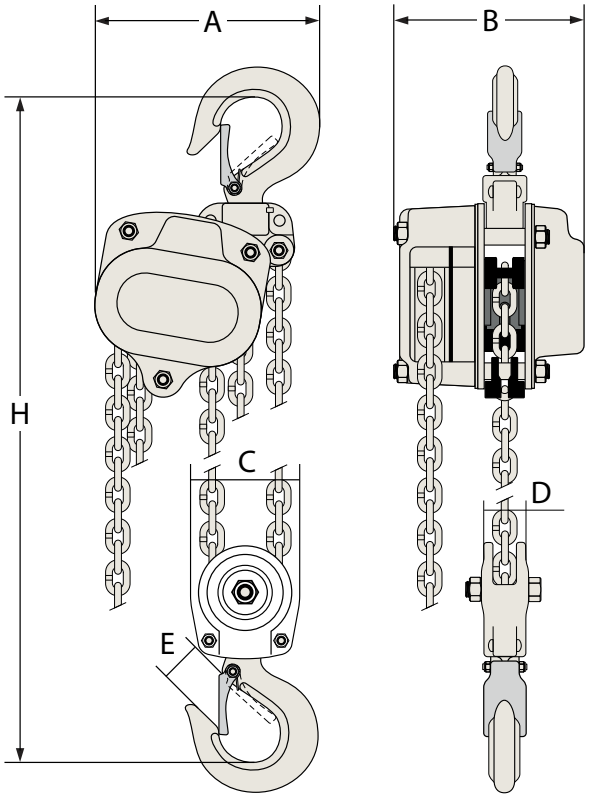
DIMENSIONS							
3M Chain Code	6M Chain Code	WLL Tonne	A mm	B mm	C mm	D mm	E mm
111002	-	0.25	95	97	27	27	18
111005	111505	0.5	140	131	60	33	31
111010	111510	1	156	151	61	31	33
111015	111515	1.5	176	151	60	44	38
111020	111520	2	223	183	67	58	40
111025	111525	3	223	151	106	85	44
111030	111530	5	252	183	133	64	49
111035	111535	10	380	183	263	88	64
111040	111540	15	420	230	310	95	80
111045	111542	20	480	320	580	100	95

3M Chain CODE	6M Chain CODE	WLL (T)	Test Load (T)	Pulling Effort (Kg)	Load Chain Size (mm)	No. of chain falls	Net Weight (Kg)	Extra Weight/M Extra Lift (Kg)	Packaging Dimensions (cm)
111002	-	0.25	0.32	≤25	4	1	3	1.5	22x17x23
111005	111505	0.5	0.63	≤27	5	1	8.2	1.5	22x17x23
111010	111510	1	1.25	≤31.5	6	1	11.3	1.8	24x18x23
111015	111515	1.5	1.88	≤36	7.1	1	13.2	2	26x18x26
111020	111520	2	2.5	≤40	8	1	21.3	2.7	32x20x29
111025	111525	3	3.75	≤47.5	7.1	2	21.7	3.2	31x18x33
111030	111530	5	7.5	≤48	9	2	39.7	5.3	40x20x36
111035	111535	10	12.5	≤49.5	9	4	66	9.8	54x50x31
111040	111540	15	18.75	≤45.6	10	6	95	14.2	55x60x40
111045	111542	20	25	≤44.7	10	8	155	23.9	60x70x50

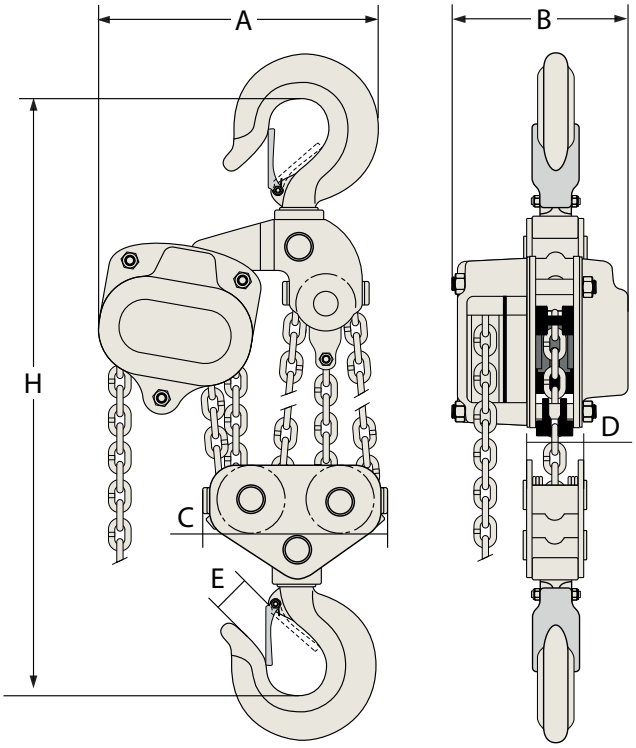
* Other chain length available.(111541 15Tx10M, 111544 20Tx9M.)



WLL: 0.5T, 1T, 1.5T, 2T

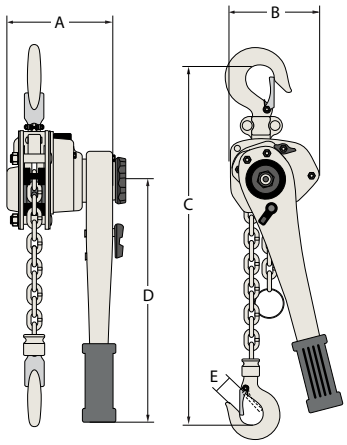


WLL: 3T, 5T



WLL: 10T, 15T, 20T

Lever Block (L3 Series)



Austlift L-3 series Lever Blocks are used for general hoisting in the mining, construction, industrial and domestic situations. Commonly used for short lifts and pulling applications.

- Rated capacities available 250kg to 9 tonnes.
- Standard height of lift 1.5 metre except for 250kg which has 1 metre lift, Other lift height available upon request.
- Robust, durable, portable and compact in construction.
- All Lever Blocks come with ball bearing Swivel Hook.
- Test Certificate and instruction manual supplied.
- Conforms to AS1418.2 standards.
- Spare parts available refer to page 64.

WLL	0.25T	0.5T	0.75T	1 T	1.5T	3 T	6 T	9T
CODE	121002	121005	121010	121015	121020	121025	121030	121035
Lift Length (m)	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Test Load (T)	0.38	0.75	1.12	1.5	2.25	4.5	9	13.5
Effects required At capacity, (N)	217	303	140	185	234	363	370	375
Lifting Chain Size (mm)	4	5	6.3	6.3	7.1	9	9x2	9x3
Min Hook to Hook: C (mm)	205	260	295	295	335	450	542	645
Head Room: B (mm)	75	82	128	128	148	181	232	366
Head RoomL: A (mm)	92	110	152	152	175	195	195	195
Handle size: D (mm)	153	251	256	256	368	368	368	368
Net weight (kg)	1.85	3.5	7.0	7.2	11	20	28	43

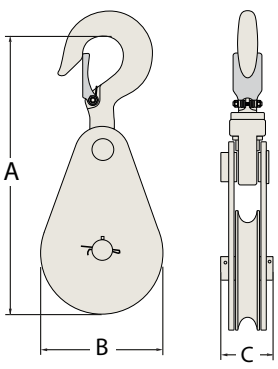
Please check operation manual for more details. Longer Chain Lengths are available upon request.

Light Duty Snatch Block

Austlift Manually operated Sheave Blocks are used for general hoisting use such as Shipping, Mining ,General Engineering, Agriculture and domestic applications.

- Manufactured for ease of operation light weight, durable and compact in design.
- Swivel Hook type, single Sheave with rated capacities from 250kg to 1.5 tonne.
- Available in Fibre Rope and Wire Rope sheave blocks with 75mm to 150mm sheave diameters also fitted with bronze bush.
- Conforms to AS 2089, Test Certificate supplied.

Hook Type, Single Sheave. Hand Operated

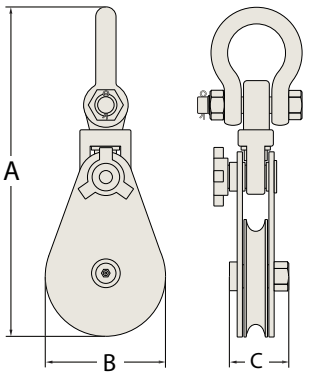


CODE	WLL	SHEAVE DIA	FIBRE ROPE	Wire Rope	DIMENSIONS A	B	C
		mm	mm	mm	mm	mm	mm
139075F 139075W	250kg	75	12	6	222.4	80	40
139100F 139100W	500kg	100	16	8	300.5	108	48.5
139125F 139125W	1000kg	125	20	10	346	140	53.5
139150F 139150W	1000kg	150	24	12	392	168	60

Swivel Shackle & Hook Type, Single Sheave

Austlift Manually operated Snatch Blocks are popular in the Mining, Construction, Off Shore Rigging and heavy duty lifting applications.

- Made from hi-tensile steel body and cast steel Sheave.
- Grease nipples fitted with roller and brass bush bearings.
- Blocks come with swivel Bow Shackle.
- Capacities available from 2 tonne to 50 tonne.
- Drop forged, heat treated swivel shackle.
- MBS is 5 times of WLL.
- Conforms to AS2089. Test Certificate supplied.

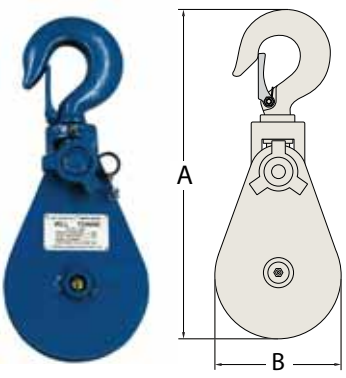


Swivel Shackle Snatch Block

SHACKLE HEAD							
CODE	WLL	SHEAVER DIAMETRE	WIRE ROPE DIAMETRE	UNIT WEIGHT	A	B	C
	T	mm	mm	kg	mm	mm	mm
140102	2	75	8-9	4	286	82	70
140103	3	100	10-13	6.1	360	120	70
140104	4	152	10-13	13.8	400	160	70
140106	6	152	13-16	15	480	180	80
140108	8	203	16-18	16	530	210	93
140110	10	254	18-20	37.5	680	260	115
140112	12	305	20-22	56	767	310	133
140115	15	305	24-26	65	884	310	133
140122	22	355	28-32	90	952	365	140
140130	30	510	32-36	210	1100	510	200
140150	50	610	44-50	418	1140	630	210

Heavy Duty Snatch Block

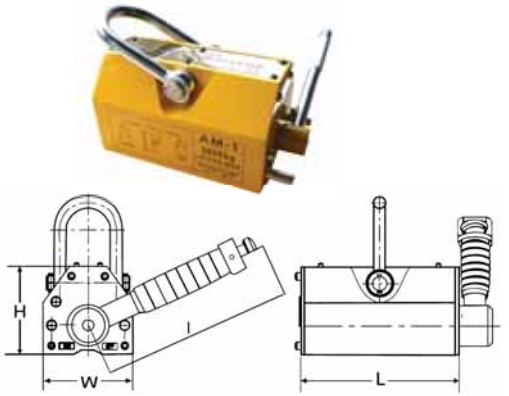
Steel Wire Rope References:
6x25Fi+IWRC or 6x36S+IWRC 1770MPa Wire Rope is recommended.
Diameter of the rope can be reduced by using higher tensile rope.
Check Wire Rope MBS and load rating of equipment and load rating of equipment before operation.



Hook Type Snatch Block

HOOK HEAD							
CODE	WLL	SHEAVER DIAMETRE	Wire Rope DIAMETRE	UNIT WEIGHT	A	B	C
	T	mm	mm	kg	mm	mm	mm
140504	4	152	10-13	14	430	160	70
140508	8	203	16-18	16.5	550	210	93

Permanent Magnetic Lifter



Austlift AM-1 Permanent Magnetic Lifter have a wide variety of uses for lifting and shifting steel products, flat plate and round bar, steel parts and finished steel goods etc. This versatile lifting device has the advantage of moving material without damaging the steel surface.

- Capacities available from 100kg to 6,000kg
- No power source required with less than 1% residual magnetism.
- Simple to operate with safety button design.
- Magnet breakaway force of 3.5 times the Work Load Limit..
- Complies to AS4991 with test certificate supplied.

* Non-stocked items, please check with us.

Product Code	Rated Lifting Strength (Kgf)	Cylindrical Lifting Strength (Kgf)	Max. Pull-off Strength (Kgf)	DIMENSIONS (mm) L	W	H	R	Operation Temperature (°C)	Net Weight (Kg)
144101	100	30	300	92	64	70	145	<80	3
144102*	200	60	600	114	72	86	145	<80	5
144103	300	100	900	165	88	96	176	<80	10
144104*	400	130	1000	165	88	96	176	<80	10
144106	600	200	1800	216	118	118	219	<80	20
144110	1000	300	3000	264	148	138	266	<80	37
144150*	1500	500	3750	264	168	168	285	<80	50
144200	2000	600	5000	352	168	168	380	<80	70
144300*	3000	1000	7500	424	188	183	478	<80	100
144400*	4000	1300	10000	508	226	215	612	<80	160
144500*	5000	1500	12500	516	290	265	627	<80	290
144600*	6000	2000	15000	582	290	265	627	<80	320

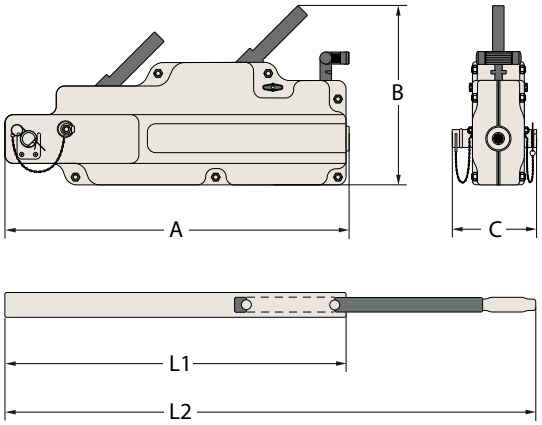
Wire Rope Winch

WLL	Aluminum Case	Steel Case
800kg	135008	135108
1600kg	135016	135116
3200kg	135032	135132

Austlift Wire Rope Hoist are used for lifting and hauling loads in general hoisting operation such as mining, construction, industrial lifting and domestic applications. Wire Rope Hoist is also ideally used for 4WD off road recovery.

- Compact lightweight and robust in construction.
- Recommended for portable applications.
- Able to be operated at any angle for ease to handling.
- Hoists come with Wire Rope longer lengths available.
- Hoists are individually proof tested and serial numbered.
- All hoists have spare shear pins in handle.
- Conforms to AS1418.2 with instruction manual.
- Parts available upon request.

WLL	800KG	1600KG	3200KG
Pulling Capacity	1250kg	2500kg	5000kg
Wire Rope	8.3mm	11.4mm	16.4mm
Construction	6x19S+IWRC	6x25Fi+IWRC	
Advance/pull	52mm	55mm	28mm
Handle force	343N	438N	438N

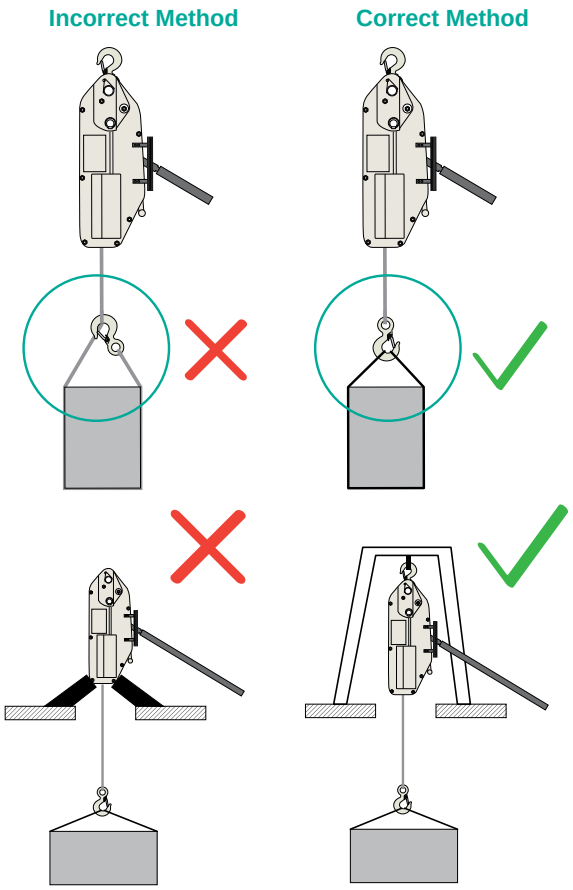


SPEAR PARTS

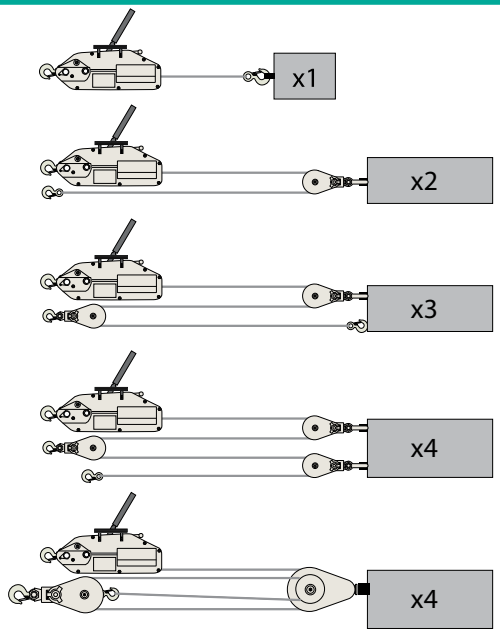
DIMENSIONS

	FOR ALUMINIUM CASE			FOR STEEL CASE		
Type	800kg	1600kg	3200kg	800kg	1600kg	3200kg
A, mm	426	545	660	440	550	690
B, mm	236	280	325	265	300	350
C, mm	64	97	116	63	77	91
N.W. Winch only	7.5kg	14.5kg	23.5kg	9kg	16.5kg	31KG
N.W. Wire Rope	8kg	12kg	24kg	8kg	12kg	24kg

Wire Rope Winch Instructions



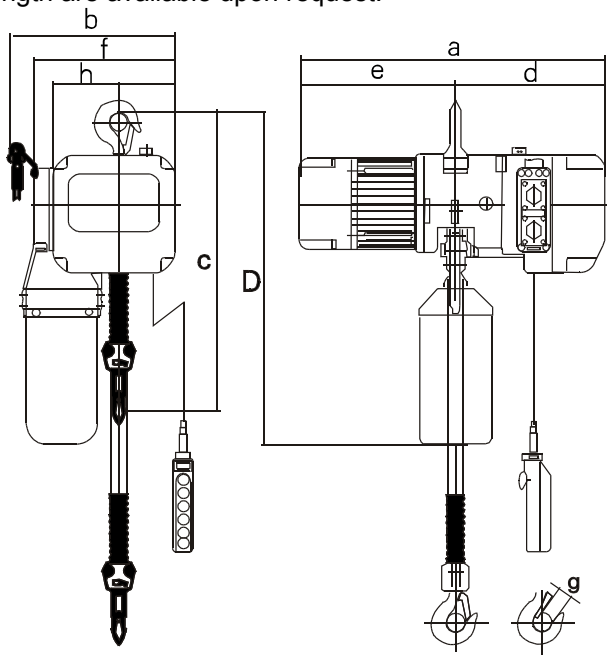
Increase the Capacity of AUSTLIFT Winches:
By using multiple Sheave Blocks, the lifting and pulling capacity can be greatly increased.
Please check the capacity of the block, the fittings & anchor points for suitability of the load.



Electric Chain Hoist

Austlift AEC-1 415v 3 Phase dual lifting speed Electric Chain Hoist is designed for optimum hoisting performance with features of durability, ease of operation and maintenance.

- Aluminium body.
- Capacities from 250kg to 10,000kg available.
- Auto power cut of to prevent damage from overloading.
- Brakes hold system in the event of power failure.
- Upper and lower electrical limit switches fitted.
- Fan cooled motor for thermal protection.
- Reverse phase protection relay fitted on all models.
- IP54 rated protection with 24 volt Pendant control.
- Quality Chain supplied by FEC Japan.
- All hoists are CE certified and comes with instruction manual and Test Certificate.
- Load chain length of 4M and 6M as standard. Longer length are available upon request.



* Electrical Trolley available from 0.25T to 10T.

Code		WLL(T)	Classification	Duty Cycle	Power (Kw)	Lifting Speed (m/min)	Load Chain	N.W (Kg)
4M	6M							
113024	114026	0.25	M6	80%	0.85/0.21	14/3.5	5x15	36/40
113054	114056	0.5	M6	60%	0.9/0.3	7.6/2.5	6.3x19	38/42
113104	114106	1	M6	50%	1.1/0.37	5/1.7	8x24	40/46
113204	114206	2	M6	50%	3/1	6/2	11.2x34	50/56
113304	114306	3	M4	40%	3/1	6/2	11.2x34	98/108
113504	114506	5	M4	40%	3/1	3/1	11.2x3.4	105/115
113904	114906	10	M4	40%	2x3/1	3/1	11.2x3.4	280/300

Code		Dimension(mm)								
4M	6M	C	D	a	b	d	e	f	g	h
113024	114026	505	620	570/592	304	273	297/337	255	24	120
113054	114056	520	620	592/610	304	273	319/337	255	31	120
113104	114106	550	640	592//630	304	273	319/357	255	38	120
113204	114206	605	770	694/740	408	336	358/404	342	45	170
113304	114306	820	770	694/740	408	336	358/404	342	45	170
113504	114506	880	860	694/740	408	336	358/404	342	61	170
113904	114906	1320	1100	694/740	408	336	358/404	342	71	170

Electric Wire Rope Hoist

Austlift Electric Rope Hoist is lightweight and compact in design. For use on construction sites and suitable for a variety of applications such as Factories, Warehouses, production lines etc.

- Dual capacities from 500kg to 1000kg
- Fitted with overwind limit switch with dynamic braking system.
- Power supply of 240 volt/single phase with plug fitted ready for work.
- Pendant control has IP54 protection classification.
- Hoist can be fitted to motorized trolley or rotary mounting jib as option.
- All hoists are CE certified and comes with instruction manual and Test Certificate.

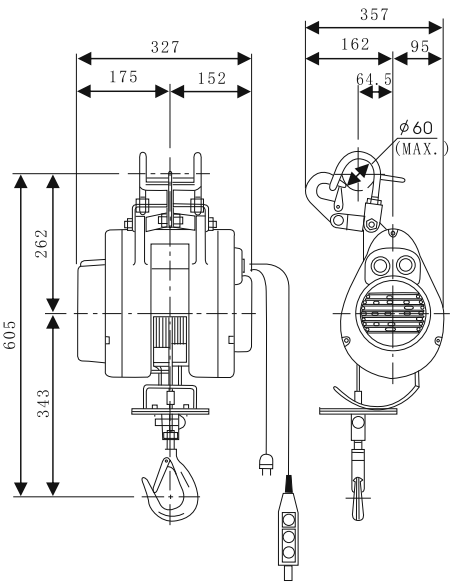
More Wire Rope Hoist Available
Refer to AUSTLIFT HOIST CATALOGUE

Model	Configuration	Volt (V)	Imput Power (w)	WLL (kg)	Lifting Speed (m/min)	Lifting Height(m)	Package SIze(cm)	G.W/N.W (kg)
144016	Single Hook	240	1700	500	10	12	60x30x37	36/34
	Double Hook			1000	5	6		

Mini Wire Rope Hoist

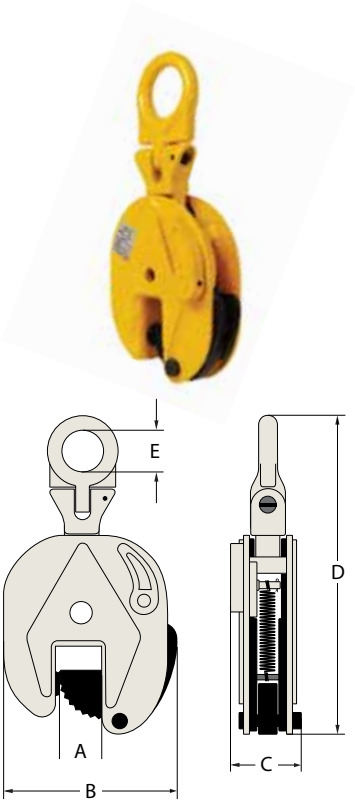
Austlift Mini electrical wire rope hoist IP54 with safety devices are easy control of lifting for a wide range of application for warehouse, storage areas, factories, house areas, construction sites and plubings.

- Light weight & Compact design.
- Automatic stop when rope touches limit arm.
- Dynamic brake designs for both static and dynamic loading.



MODEL	144051	144053
Rated Load (Kg)	150	250
Rated Volt(V)	AC100-240 50/60Hz	
Input Power(W)	780	1200
Wire rope Dia(mm)	Φ3.8	Φ4.2
Lifting Speed(m/min)	15	12
Lifting Height(m)	20	
G.W./N.W.(Kg)	28/27	30/29
Packing Size(mm)	425x365x370	

Universal Plate Clamp

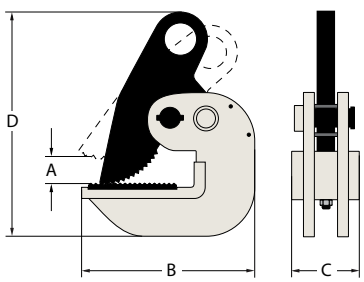


Austlift UPC range of Clamps are equipped with a Universal Hinged Lifting Eye, making it possible to lift loads from any given direction.

- Capacities available from 0.75 tonne to 3 tonne.
- Can be used on material hardness up to 37RC.
- Individually serial numbered comes with Test Certificate and user manual.
- Spare Parts are available.
- Complies to AS4991.

CODE	WLL	JAW OPENING	Wt.	EYE	HEIGHT	WIDTH
	T	mm	kg	dia	mm	mm
142075	0.75	0-15	2	Φ30	218	105
142150	1.5	0-20	7.4	Φ60	370	170
142200	2	0-25	7.8	Φ60	375	175
142300	3	0-30	16	Φ60	418	195

Horizontal Plate Clamp



Fitted with locking button (a safety feature)

Austlift HPC Horizontal Lifting Clamps are used in pairs to lift and transport steel material on a flat plane configuration.

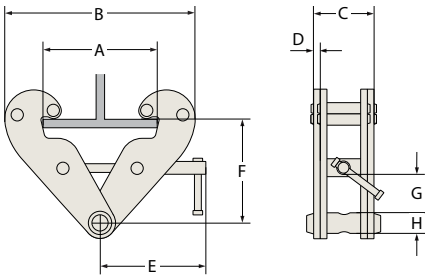
- Capacities available from 0.75 tonne to 5 tonne per pair.
- Can be used on material hardness up to 37RC
- Individually serial numbered comes with Test Certificate and user manual.
- Spare Parts are available
- Complies to AS4991.

CODE	WLL	JAW OPENING	Wt.	EYE	HEIGHT	WIDTH
	T	mm	kg	dia	mm	mm
143075	0.75	0-25	3.5	Φ25	175	125
143100	1	0-30	4	Φ30	205	161
143150	1.5	0-30	4.3	Φ30	205	161
143200	2	0-35	7.2	Φ30	245	175
143300	3	0-40	8	Φ30	250	180
143500	5	0-50	9	Φ30	260	185

Girder Clamp

Austlift CG-01 Girder clamps are designed to lift steel girders and narrow steel plate or clamped on girder to utilize as a lifting point.

- Capacities available from 1 tonne to 10 tonne.
- Can use on material hardness up to 37RC.
- Individually serial numbered comes with Test Certificate and user manual.
- Complies to AS4991 & AS1418.2.

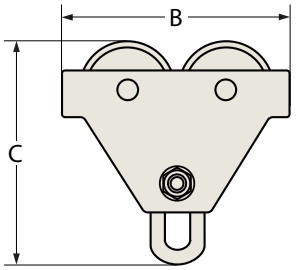


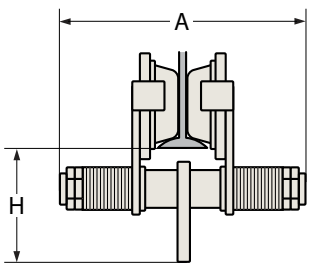
CODE	WLL	ADJ BEAM SIZE	Wt.	DIMENSIONS								
				A	B		C	D	E	F		G	H
	T	mm	kg	max mm	min mm	max mm	mm	mm	mm	min mm	max mm	mm	mm
132005	1	75-220	4.5	260	180	360	64	5	215	102	155	25	22
132010	2	75-220	5.2	260	180	360	74	6	215	102	155	25	22
132013	3	80-320	10	354	490	490	103	8	260	140	225	45	24
132015	5	80-320	11.1	354	490	490	110	10	260	140	225	45	28
132020	10	90-320	20	365	505	505	120	12	280	170	235	50	40

Push Trolley

Austlift Plain Trolley is moved by pushing the load lifted by the trolley, running along a flange of a monorail. A main shaft with spacers you can adjust the width of UB/UC beam. They are widely used in Factories, Mines, Wharves, Docks, Warehouses and Engineering Workshops for installation of equipment in places where no power supply is available.

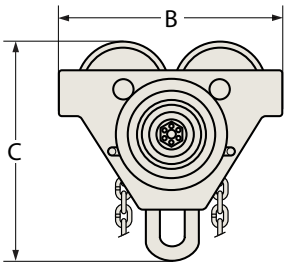
- High quality sealed ball bearings.
- Identification tag with serial number
- Proof tested to 2 x WLL with certificate.
- Fitted with anti-drop plates for safety
- Low headroom by design.
- Complies to AS1418.2.

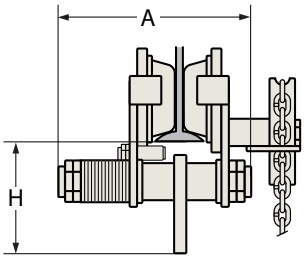




CODE	WLL	BEAM SIZE	MIN. RADIUS OF CURVE	Wt.	A	B	C	H
	ton	mm	mm	kg	mm			
131005	0.5	64-150	0.8	5.5	228	196	190	108
131010	1	64-203	0.9	8.9	300	236	211	115
131015	2	76-210	1.0	10.7	318	273	236	130
131020	3	100-305	1.2	24.3	420	320	295	164
131025	5	100-305	1.3	36.3	444	366	334	177
131030	10	125-305	2.0	83.3	468	389	460	237

Geared Trolley





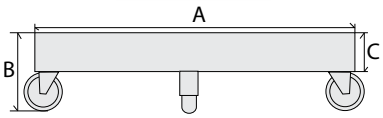
The Austlift Geared Trolley is hand-operated by pulling the hand-chain, running on the bottom flange of monorail. With a main shaft with spacers you can adjust the width of beam. They are widely used in Factories, Mines, Wharves, Docks, Warehouses and Engineering Workshops for installation of equipment and conveyance of goods. They are especially suitable for maintenance and repairing of equipment in places where no power supply is available.

- Standard hand chain is 3 metres however longer chain lengths are available.
- High quality sealed ball bearings.
- Identification tag with serial number
- Proof tested to 2 x WLL with certificate.
- Fitted with anti-drop plates for safety
- Low headroom by design.
- Complies to AS1418.2.

CODE	WLL	BEAM SIZE	PULLING FORCE*	Wt.	DIMENSIONS			
					A	B	C	H
	ton	mm	mm	kg	mm			
131505	1	64-203	50N	14	287	236	211	115
131510	1.5-2	76-210	90N	16	305	273	236	130
131515	3	100-305	95N	24	420	320	295	164
131520	5	100-305	140N	36	426	366	334	177
131530	10	125-305	240N	90	450	389	460	237

*Pulling force is measured when the trolley is in full load.

Drum Trolley

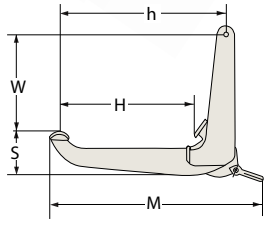


Austlift Drum Trolley are specially designed to carry 210 litre (55 gallon) drums. Easy to use for fast repositioning of drums.

- Work load limit 500kg.
- Manufactured from hi-tensile steel.

CODE	WLL	Wt.	DIMENSIONS		
	KG	kg	A mm	B mm	C mm
144005	500	5	600	170	50

Drum Lifter

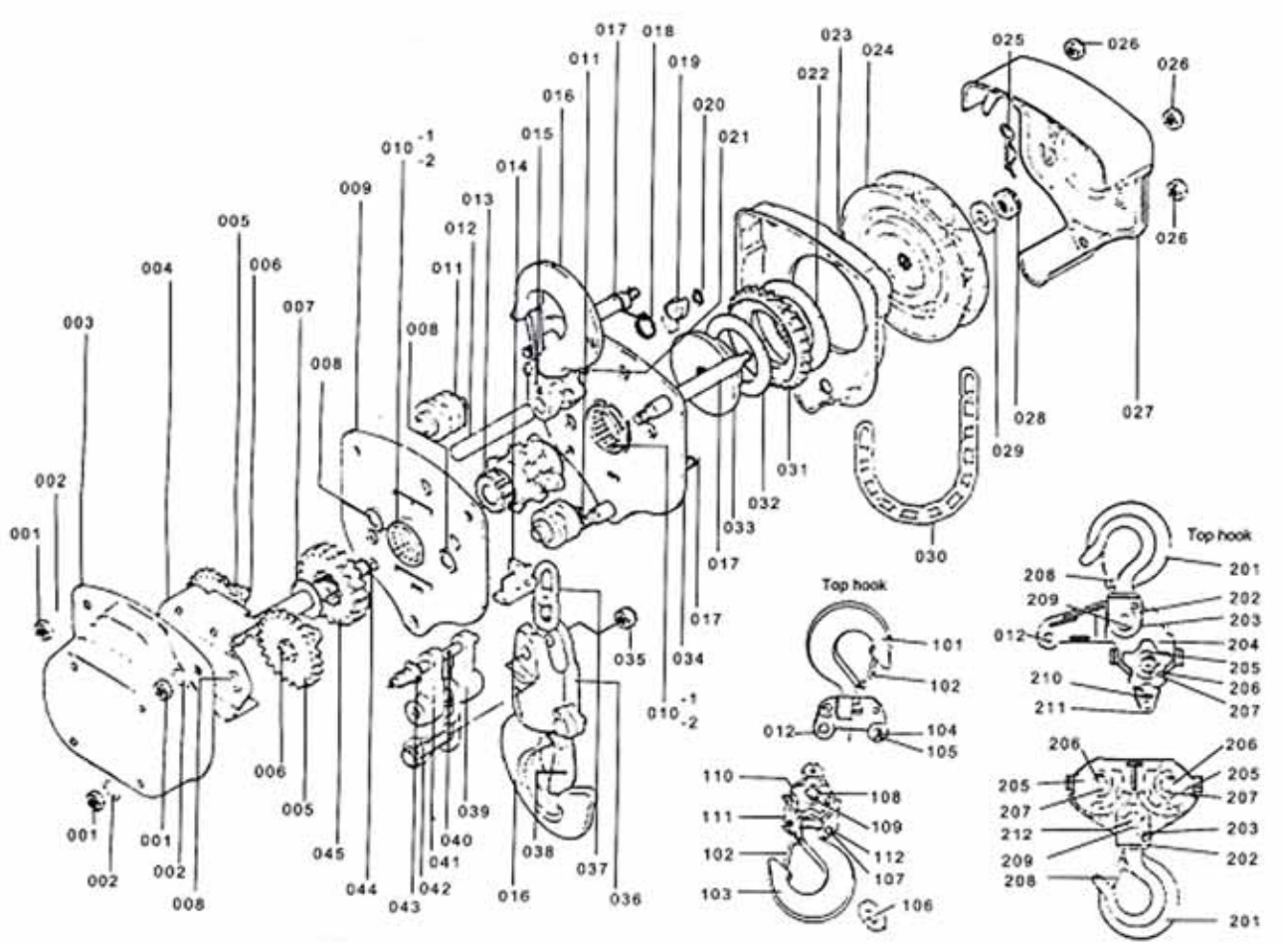


Austlift Drum Lifters are specially designed to lift 210 litre (55 gallon) drums vertically with or without lids. Easy to use for fast lifting and repositioning of drums.

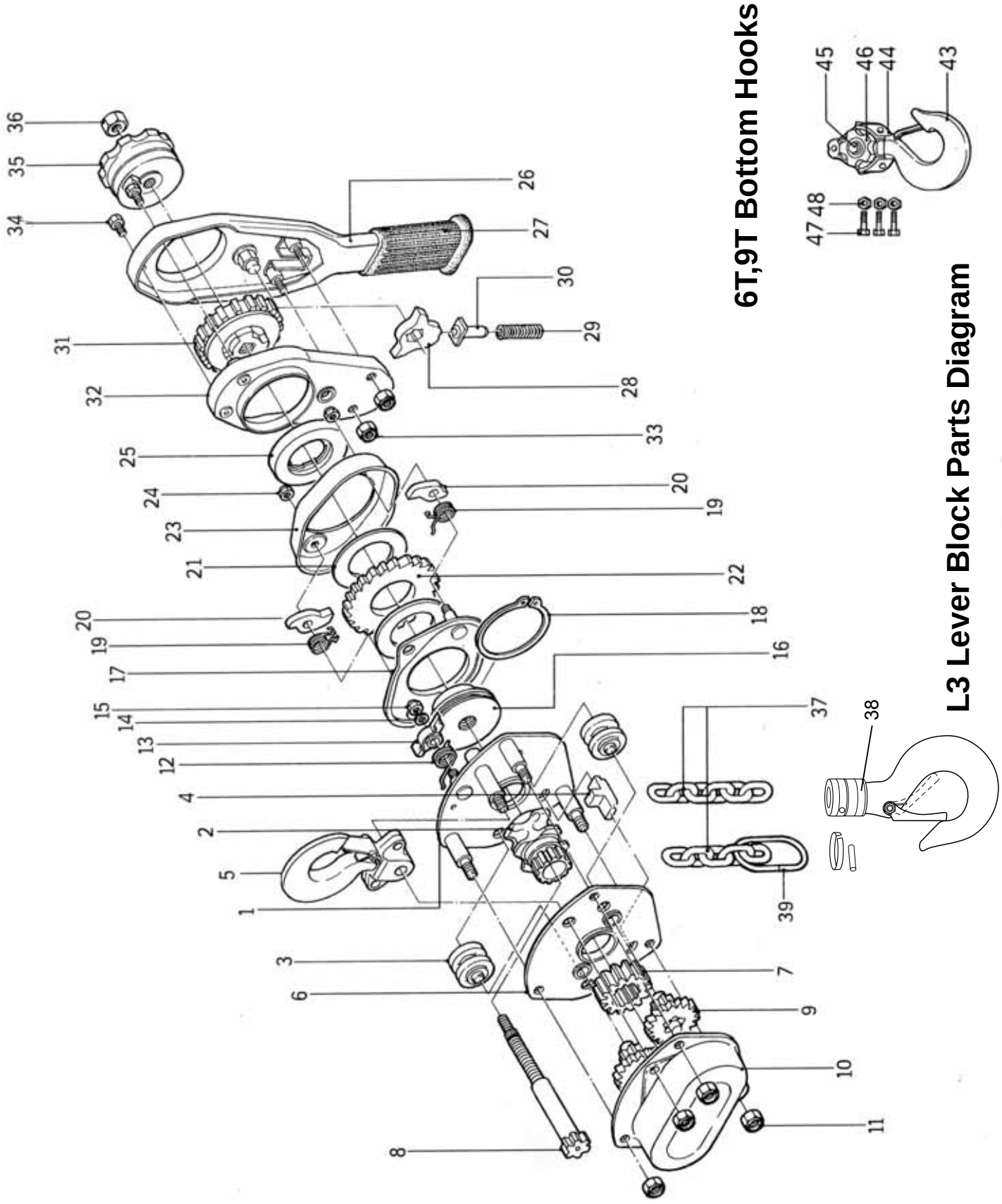
- Work load limit 600kg.
- Manufactured from hi-tensile steel with a safety factor of 5 to 1.
- Conforms to AS 4991, Test Certificates available.

CODE	OPENING	WLL	Wt.	DIMENSIONS				
				H	h	M	S	W
	mm	tonne	kg	mm	mm	mm	mm	mm
144000	0-30	0.6	6.5	350	420	570	105	260
144001*	0-30	0.6	7.8	350	420	570	105	260

* Assembled with G80-10mm Master Link and 8mm Chain Connector for forklift.



KEY	PART NAME	QUANTITY	KEY	PART NAME	QUANTITY	KEY	PART NAME	QUANTITY
001	Nut	3	025	Cotter Pin	1	104	Top Suspension Pin	1
002	Spring washer	3	026	Nut	3	105	Screw Washer	1
003	Gear Cover	1	027	Wheel Cover	1	106	Hand Wheel Washer(3T)	2
004	Support Plate	1	028	Pinion Nut	1	107	Screw(5T)	3
005	2st Gear	2	029	Hang Wheel Washer	1	107	Screw Washer(3T)	2
006	3rd Gear	2	030	Hand Chain	1	107	Screw Washer(3T)	2
007	Pinion Washer	1	031	Ratchet Gear	1	108	Shaft	1
008	Gear Bushing	4	032	Brake Disk B	1	109	Needle(3T, 5T)	24,29
009	Side Plate(2)	1	033	Break Seat	1	110	Idle Sheave	1
010-1	Bearing Race	2	034	Side Plate(1)	1	111	Bottom Hook Frame	2
011	Load Chain Guide	2	035	Screw Washer	1	112	Screw(5T)	3
021	Hook Pin	1	036	Bottom Hook Hold	1	112	Screw(3T)	2
013	Load Sheave	1	037	Load Chain	1	201	Hook	2
014	Chain Stripper	1	038	Safety Latch	1	202	Steel Balls	26
015	Top Hook Hold	1	039	End Anchor A	1	203	Hook Hold Screw	2
016	Hook	2	040	End Spring	1	204	Beam	1
017	Stay Bolt	3	041	End Anchor B	1	205	Sheave	3
018	Spring	1	042	Chain Pin	1	206	Needle	75
019	Pawl	1	043	End Spring	1	207	Shaft	3
020	Snap Ring	1	044	Pinion Shaft	1	208	Safety Latch	2


L3 Lever Block Parts Diagram
6T,9T Bottom Hooks
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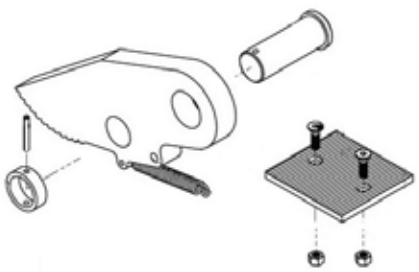
KEY	PART NAME	QUANTITY	KEY	PART NAME	QUANTITY
1	Side Plate1	1	20	Brake pawl	2
2	Load sheave	1	21	Brake disc	2
3	Load chain guide	2	22	Ratchet gear	1
4	Chain stripper	1	23	Brake cover	1
5	Top hook set	1	24	U-nut for B.C.	2
6	Side plate 2	1	25	Brake ring	1
7	1st gear	1	26	Lever body	1
8	Pinion shaft	1	27	Grip	1
9	2nd gear, 3rd gear	2	28	Change pawl	1
10	Gear cover set	1	29	Pushing up spring	1
11	Nut for gear cover	4	30	Pushing up pin	1
12	Retaining spring	1	31	Change gear	1
13	Retaining pawl	1	32	Lever cover	1
14	Washer for pawl	1	33	U-nut for L.C.	2
15	U-nut for pawl	1	34	Bolt for L.C.	2
16	Hub	1	35	Grip ring	1
17	Retaining plate set	1	36	Pinion nut	1
18	Snap link for hub	1	37	Loading chain	1
19	Brake spring	2	38	Bottom hook set	1
6T, 9Ton Bottom Hook Parts					
43	Hook	1	46	Idle sheave	1
44	Frame	2	47	Bolt	3

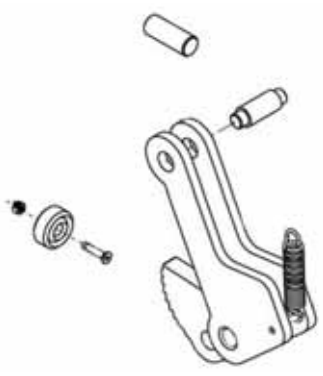
Plate Clamps Repair Kits

WLL	Horizontal Clamp	Universal Clamp
0.75T	032075SP	031075SP
1T	032100SP	-
1.5T	032150SP	031150SP
2T	032200SP	031200SP
3T	032300SP	031300SP
5T	032500SP	031500SP

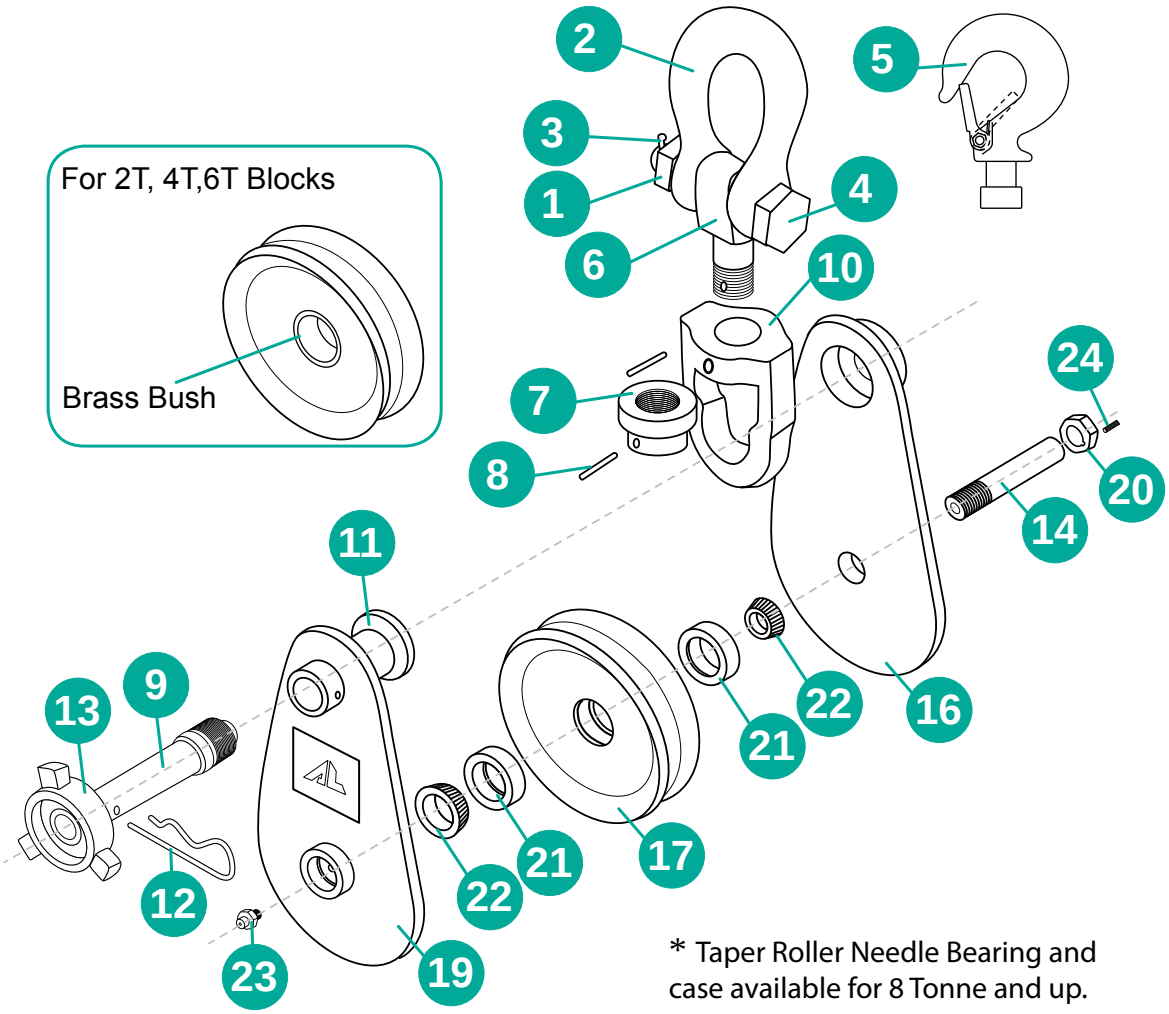
Horizontal Clamp Full Repair Kit



Universal Clamp Full Repair Kit



Snatch Block Sb01 Spare Parts

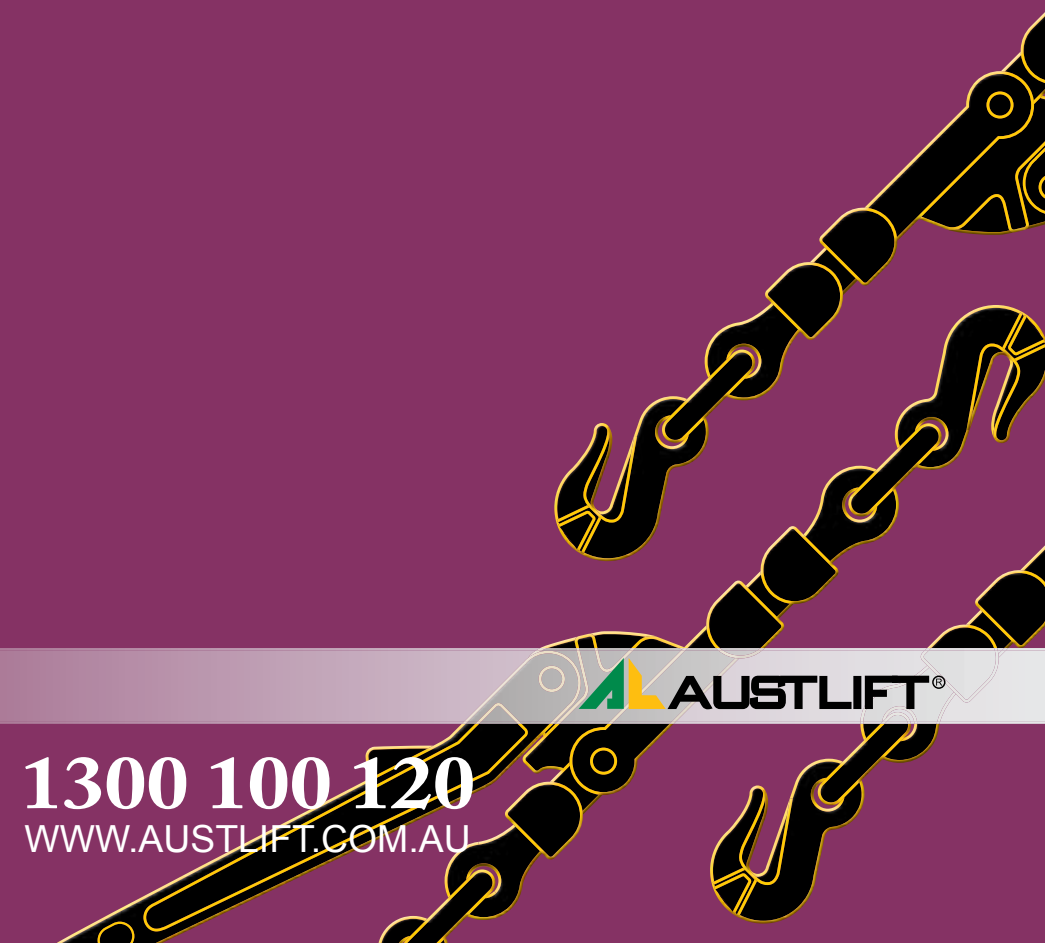


* Taper Roller Needle Bearing and case available for 8 Tonne and up.

KEY	PART NAME	QUANTITY	KEY	PART NAME	QUANTITY
1	Nut	1	13	Handle Sheave	1
2	Shackle	1	14	Middle Axle	1
3	Split Pin	1	15	Plate Nut	1
4	Shackle pin	1	16	Lift Side Plate	1
5	Hook	1	17	Sheave	1
6	Round Eye	1	18	Roller Bearing	1
7	Hook (eye) Nut	1	19	Right Side Plate	1
8	Spring Pin	1	20	Middle Axle Nut	1
9	Lift Pin	1	21	Outer Bearing Case*	2
10	Swing Eye	1	22	Taper Roller Needle Bearing*	2
11	Lift Pin Bushing	1	23	Lubrication sheave pin	1
12	Safety Pin	1	24	Grub Screw	1

AUSTRALIAN LIFTING CENTRE PTY LTD

LOAD RESTRAINT & 4WD RECOVERY



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Contents

Ausbinder - Series 2	69
Maxibinder	69
Hook Load Binders	69
Standard Lever Style	70
Safety Lever Style (Bx600)	70
Standard Lever Style	71
Ratchet Lever Style	71
Grab Hook	72
Claw Hook	72
Clevis Lug Links	72
Recovery Drag Chain Kit	73
Transport Chain Kit	73
Clevis Slip Hook	73
Transport Chain	74
Cargo Bar	74
Shoring Bar	74
Jack Bar	75
Winch Track	75
Winch Bars	75
Motorbike Tie Downs	76
Ratchet Tie Downs	76
'Ergo' Ratchet Tie Downs	77
Truck (Replacement) Winch Straps	77
Silver Rope	78
Silver Rope Hanks	78
Using Ropes And Knots	78
Rubber Tarps	79
Snatch Straps	79
Auswinch Features	79
Truck Winches	80
End Fittings	82
Lashing User Guide	85
4WD Recovery	88

LoadMax®

- Ergonomically designed
- Safer, quicker & easier to use
- High pre-tensioning force
- 1/8 Chain link length adjustment
- Alloy steel, heat treated for durability
- Conforms to AS/NZ4344 standard.
- Multiple purpose lashing uses.
- Designed for a higher pre-tensioning strength
- Ausbinder Series 2 has been approved as a preferred restraint product by major transport companies.
- Designed and manufactured by Australian Lifting Centre.

CODE	CHAIN SIZE	LC	WEIGHT	CHAIN LENGTH
		kg	kg	metres
202707S	8mm Swivel Head	3800	5.4kg	0.5

- International patent No.: PCT/AU2006/000827
- Australian patent No.2005905625
- US patent application No.:11/992108(Patent pending)
- Canada patent application No.:2622269 (Patent pending)

- Ergonomically designed
- Safer, quicker & easier to use
- High pre-tensioning force
- 1/8 Chain link length adjustment
- Alloy steel, heat treated for durability
- Conforms to AS/NZ4344 standard.
- Multiple purposes
- Designed for a higher pre-tensioning strength
- Designed and manufactured by Australian Lifting Centre.

CODE	CHAIN SIZE	LC	WEIGHT	CHAIN LENGTH
		kg	kg	metres
202705	8mm Swivel Head	3800	5kg	0.5

A New Generation In Hooks

Why the need for the new innovative Maxi-HOOK?

Grab Hook
Chain Link is deformed which reduces lashing capacity and Chain life, whilst securing the Load Binder against loss when the load shifts and the Chain becomes loose.

Claw Hook
The crown of the Chain sits into the claw hook and maintains the lashing capacity and life of the Chain but die to the design of the claw hook it increases the chance of loss of the Load Binder when the load shifts and the Chain becomes loose.

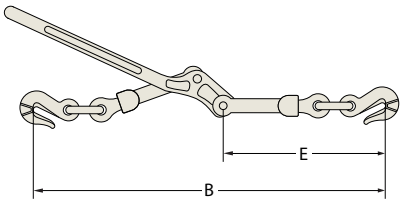
Maxi Hook
The new innovated Maxi-Hook, as the name implies, will carry out both functions of the grab hook in one. It is as easy to use as the claw hook and as secure as the grab hook.

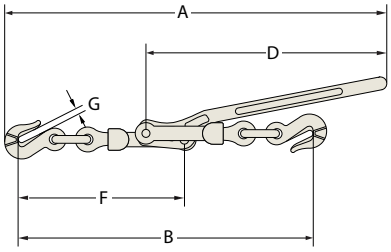
Standard Lever Style

Grab Hooks with supporting lugs

Loadmax Lever style Load Binder with winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations. Commonly used to tie down Steel, Plant Equipment, Timber and other general cargo applications.

- Load Binder to suit Chain sizes from 6mm to 13mm available.
- Manufactured from dropped forged steel quenched and tempered.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- All Load Binders come with swivel winged Grab Hooks to achieve full lashing capacity
- Batch Test Certificate available upon request.
- Comply with AS 4344.





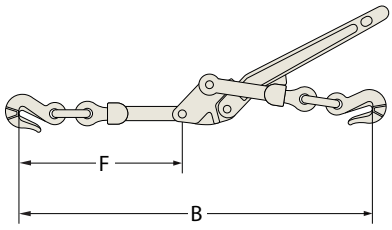
CODE	CHAIN SIZE	LASHING CAPACITY		MBF	Wt.	DIMENSIONS						
	mm	G70 Chain	G80 Chain	KN	kg	A mm	B mm	C mm	D mm	E mm	F mm	G mm
202006	6	2300kg	2300kg	44	2.4	540	475	390	390	225	220	8.9
202008	7 - 8	3800kg	4100kg	84	3.2	610	560	455	405	265	264	12.7
202010	10	6000kg	6400kg	125	5.6	730	655	540	420	313	315	16
202013	13	9000kg	10500kg	205	8.9	790	830	635	535	370	350	18

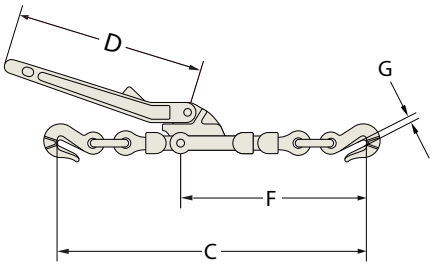
Safety Lever Style (BX600)

Grab Hooks with supporting lugs

Loadmax Safety Lever style Load Binder with winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the added safety feature of a recoilless handle.

- Load Binder to suit Chain sizes from 8mm to 10mm available.
- Manufactured from dropped forged steel quenched and tempered.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability.
- All Load Binders come with swivel winged Grab Hooks to achieve full lashing capacity.
- Batch Test Certificate available upon request.
- Comply with AS 4344.





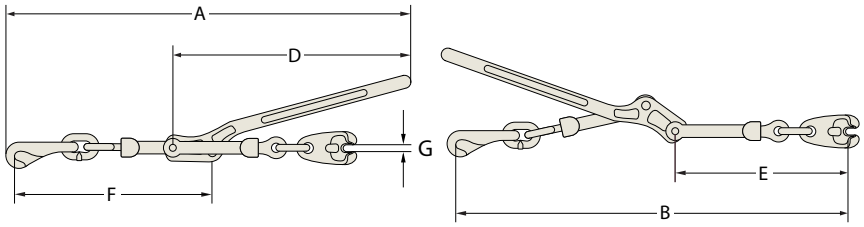
CODE	CHAIN SIZE	LASHING CAPACITY		MBF	Wt.	DIMENSIONS				
	mm	G70 Chain	G80 Chain	KN	kg	C mm	D mm	E mm	F mm	B mm
202615	8	3,800kg	4,100kg	85	4.2	600	320	280	280	940
202620	10	6,000kg	6,400kg	130	6.5	720	380	320	320	1020

Standard Lever Style

Claw Hooks

Loadmax Lever style Load Binder with claw hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a claw hook to ensure straight line tension and full capacity on a lashing system.

- Load Binder to suit Chain sizes from 8mm to 10mm available.
- Manufactured from dropped forged steel quenched and tempered.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- All Load Binders come with swivel claw hooks to achieve full lashing capacity.
- Comply with AS 4344, Batch Test Certificate available upon request.



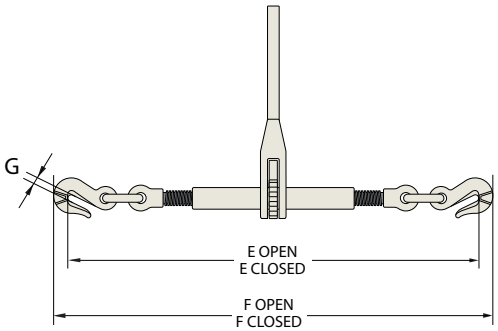
CODE	CHAIN SIZE	LASHING CAPACITY		MBF	Wt.	DIMENSIONS						
	mm	G70 Chain	G80 Chain	KN	kg	A mm	B mm	C mm	D mm	E mm	F mm	G mm
202108	8	3800kg	4100kg	84	3.9	635	640	545	395	310	310	11.9
202110	10	6000kg	6400kg	125	5.6	715	729	625	445	345	345	14.9

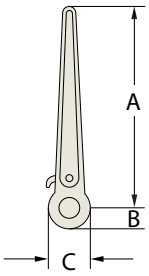
Ratchet Lever Style

Grab Hook with wings

Loadmax Ratchet style Load Binder with winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations, With the benefit of high pretension and the added safety of screw stops to ensure full thread contact while in use.

- Load Binder to suit Chain sizes from 6mm to 13mm available.
- Manufactured from dropped forged steel quenched and tempered.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- All Load Binders come with swivel winged Grab Hooks to achieve full lashing capacity.
- Comply with AS 4344, Batch Test Certificate available upon request.

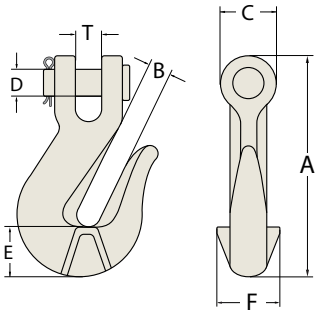




CODE	CHAIN SIZE	LASHING CAPACITY		MBF	Wt.	DIMENSIONS							
	mm	G70 Chain	G80 Chain	KN	kg	A mm	B mm	C mm	E-O mm	E-C mm	F-O mm	F-C mm	G mm
202206	6	2300kg	2300kg	46	1.6	170	25	40	420	580	460	620	8.9
202208	8	3800kg	4100kg	74	4.9	355	35	70	580	780	640	840	11.9
202210	10	6000kg	6400kg	118	6	355	35	70	640	845	700	900	14.9
202213	13	9000kg	10500kg	176	7.2	355	35	70	670	870	750	950	16.9

Grab Hook

with supporting lugs



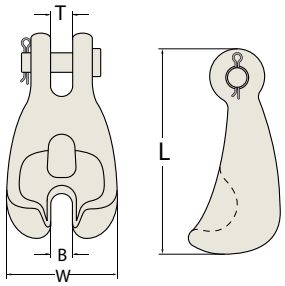
WARNING Note: G70 Chain & fittings not to be used for lifting purposes.

Loadmax Clevis Winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a cradle built into the hook to achieve full lashing capacity.

- Sizes available from 6mm to 13mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- Comply with AS 4344, Batch Test Certificate available upon request.

CODE	SIZE	L.C	Wt.	DIMENSIONS						
	mm	kg	kg	A mm	B mm	C mm	D mm	E mm	F mm	T mm
201006	6	2300	0.23	77	8.5	21	8.5	18.5	24.5	10
201008	8	3800	0.35	95	12	23	11.5	24.5	31.5	11.5
201010	10	6000	0.57	112	13	28	12.5	29	40	13
201013	13	9000	0.92	136	16	32	16.8	44	43	16

Claw Hook

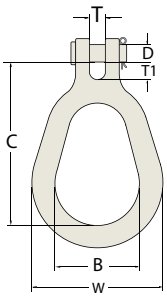


Loadmax Clevis Claw Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of full lashing capacity together with in line tension.

- Sizes available from 8 and 10mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- Comply with AS 4344, Batch Test Certificate available upon request.

CODE	SIZE	L.C	Wt.	DIMENSIONS			
	mm	kg	kg	B mm	T mm	W mm	L mm
201108	8	3800	0.15	9.5	12.5	47	88.22
201110	10	6000	0.30	11.5	12.5	55	103.3

Clevis Lug Links



Loadmax Clevis Lug Links combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a loop to use as a tow or anchor point, Commonly used for drag Chain applications.

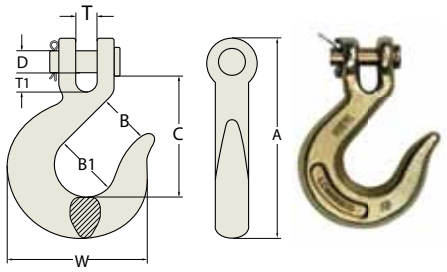
- Sizes available from 8 to 13mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability.
- Comply with AS 4344, Batch Test Certificate available upon request.

CODE	SIZE	L.C	Wt.	DIMENSIONS					
	mm	kg	kg	B mm	C mm	D mm	T mm	T1 mm	W mm
201208	8	3800	0.15	53	108	9	11	15	86
201210	10	6000	0.30	55	110	11	12	15	86
201213	13	9000	0.55	65	128	15	18	15	100

Clevis Slip Hook

Loadmax Clevis Slip Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a hook style fitting for all sorts of lashing applications.

- Sizes available from 6 to 13mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- Comply with AS 4344, Batch Test Certificate available upon request.



CODE	SIZE	L.C	Wt.	DIMENSIONS							
	mm	kg	kg	A (mm)	B (mm)	B1 (mm)	C (mm)	D (mm)	T (mm)	T1 (mm)	W (mm)
201306	6	2000	0.22	102	24	30	66	7.8	11	11.4	70
201308	8	3800	0.33	114	27	32	74	9.9	13	13.4	75
201408	8	3800	201308 with Eye type slip hook								
201310	10	6000	0.5	132	33	38	85	12	15	15.5	88
201313	13	9000	1.23	166	43	49	103	16	19	19.6	123

Recovery Drag Chain Kit

Loadmax G70 Drag Chain kits give considerably higher load bearing capacity when required for 4WD recovery, towing, logging and other agricultural applications .

- Size available from 8 to 13mm and supplied with Lug link, Grab hook or Slip hook.
- Supplied at 5 metre length as standard however longer lengths can be supplied upon request.
- All Grade 70 Drag Chain Kits come with re-usable plastic containers.
- Comply with AS 4344, Batch Test Certificate available upon request.

CODE	SIZE
Lug Link Grab Hook	Chain size x L
203408	8mm X 5M
203410	10mm X 5M
203413	13mm X 5M

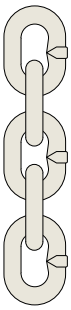
Transport Chain Kit

CODE	CHAIN SIZE	HOOK TYPE	L.C
	Dia x Lth	Description	kg
203200	6mm X 6M	Grab Hook	2300
203205	6mm X 9M	Grab Hook	2300
203205NH	6mmx9M	No Grab Hook	2300
203210	8mm X 6M	Grab Hook	3800
203211	8mm X 7M	Grab Hook	3800
203215	8mm X 9M	Grab Hook	3800
203220	10mm X 5M	Grab Hook	6000
203320	10mm X 6M	Grab Hook	6000
203225	10mm X 9M	Grab Hook	6000
203230	13mm X 9M	Grab Hook	9000
203314	8mm X 6M	Claw Hook	3800
203315	8mm X 9M	Claw Hook	3800
203325	10mm X 9M	Claw Hook	6000

Loadmax G70 Transport Chain Kits give the benefits of cleanliness, lightweight, strength and reliability therefore making it ideal for tie-down applications for the transport and shipping industries.

- Size available from 6 to 13mm and supplied with Grab Hook or Claw Hook.
- Any lengths can be supplied with other fittings upon request.
- All Grade 70 Transport Chain Kits come with re-usable plastic containers.
- Comply with AS 4344, Batch Test Certificate available upon request.

Transport Chain



Loadmax G70 Transport Chain gives the benefits of cleanliness, lightweight, strength and reliability thereforee making it ideal for tie-down applications for the transport and shipping industries.

- G70 Chain available from 6 to 13mm and gold zinc finish.
- Marked with 4344(lashing capacity in tonnes) with AL for traceability.
- Available in 50kg pails or 500kg drum lots also any lengths can be supplied upon request.
- Comply with AS 4344, Batch Test Certificate available upon request.

Grade 70 Chains **MUST NOT** be used for lifting purposes.

500KG/DRUM	50KG PAIL	CUT LENGTH	SIZE	L.C	50KG LENGTH
CODE	CODE	CODE	mm	KG	M
203006	203106	203306	6	2300	62.5
203007	203107	203307	7.1	3000	46
203008	203108	203308	8	3800	35
203010	203110	203310	10	6000	22.5
203013	203113	203313	13	9000	13.4

Note: The above 50KG/M length is a guide only & may vary in length by different manufactures.

Cargo Bar

Loadmax Cargo Bar fitted with adjustable ratchet and rubber padded feet is the complete system to hold loads mainly for Panteck truck bodies.

- Adjustable Ratchet from 2.4 metre to 2.7metre.
- Manufactured from steel with rubber padded foot pad.

CODE	ITEM	LENGTH (m)	Wt. (kg)
205602	Cargo Bar	2.26 -2.63	6.75

Shoring Bar

Loadmax Shoring Bar together with F-Track is the complete lightweight system to hold loads mainly for Panteck truck bodies.

- Spring loaded to be adjustable from 2.26 metre to 2.63 metre.
- Manufactured from lightweight steel with zinc plated finish.

CODE	ITEM	LENGTH (m)	Wt. (kg)
205603	Shoring Bar	2.4 -2.7	9.2

Jack Bar

Loadmax Jack Bar fitted with adjustable Ratchet and rubber padded feet is the complete system to hold loads mainly for Pantec truck bodies.

- Adjustable ratchet from 2.2 metre to 2.9metre.
- Manufactured from square steel with rubber padded foot pad.

CODE	ITEM	LENGTH (m)	Wt. (kg)
205604	Jack Bar	2.1-2.9	7

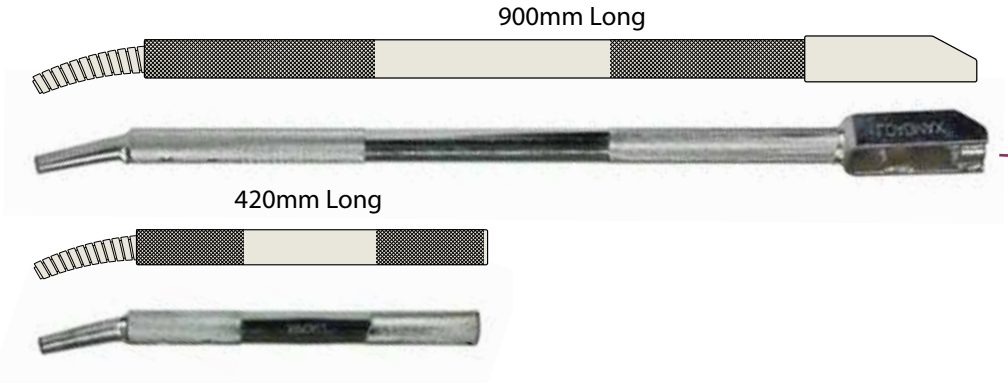
Winch Track

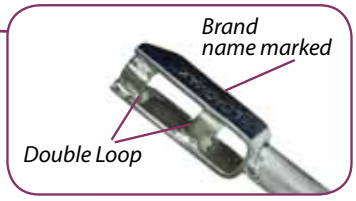
Loadmax Winch Track together with Truck Winches are a practical solution for load restraint applications as Winches are tucked under the deck.

- Standard length of 2.4 metre with 4mm gauge thickness.
- Manufactured from steel with zinc coated finish.

CODE	ITEM	LENGTH (m)	Wt. (kg)
205500	Winch Track	2.4	12

Winch Bars





Loadmax Winch Bars are a handy tool to achieve pretension for Webbing strap and also safely release a Chain lashing system subject to statutory requirements.

- Bar length available 420mm and 900mm.
- Manufactured from steel knurled handle and double looped to keep bar inline with Load Binder handle chrome plated finish.

WARNING

Note: Never use Winch Bar to tighten Load Binders.
Only used for Winch pre-tensioning & releasing load tension.
Read safety warning before use.

CODE	DESCRIPTION	Wt.(kg)
206000	Winch Bar, 900mm	2.8
206001	Winch Bar, 420mm	1.5

Motorbike Tie Downs

Loadmax Motor Cycle Cam Buckle Tie Down assemblies are the complete lashing system purposely made for Motor Cycle lashing requirements.

- Lashing capacity of 250kg per pair with 25mm Webbing.
- Manufactured from high tenacity polyester Webbing, with Cam Buckle, S-hook and Snap Hook.
- ID tagged with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

CODE	DESCRIPTIONS
204015	25mmx1.7M Webbing C/W Snap Hook & S hook (2 per pack)

Ratchet Tie Downs

Loadmax Ratchet Tie Down assemblies are the complete lashing system with the benefits of high pretension therefore less damage to cargo for general transport requirements.

- Lashing capacities available from 350kg to 5,000kg with Webbing widths from 25mm to 75mm.
- Manufactured from high tenacity polyester Webbing, heavy duty Hook and Keepers stamped with lashing capacity, heavy duty powder coated Ratchet Buckle.
- ID tagged on both tail and free end of strap with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

25mm Webbing

204020 C/W S Hooks

Hook/Keeper

25mm CODE	LC	END FITTING	SIZE
204020	350KG	S Hooks	25mm x 4.5M
204024	500KG	H/Keeper	25mm x 4.5M
204026	500KG	H/Keeper	25mm x 6M

35mm Webbing

204030 C/W S Hooks

204035 C/W Hook/Keeper

35mm CODE	LC	END FITTING	SIZE
204030	500KG	S Hooks	35mm x 6M
204035	1500KG	H/Keeper	35mm x 6M

50mm Webbing

204251 C/W J Hooks

Hook/Keeper

50mm CODE	LC	END FITTING	SIZE
204250	2500KG	H/Keeper	50mm x 9M
204251	2500KG	J Hook	50mm x 9M
204350	2500KG	H/Keeper	50mm x 11M
204353	2500KG	H/Keeper	50mm x 13M
204354	2500KG	H/Keeper	50mm x 16M

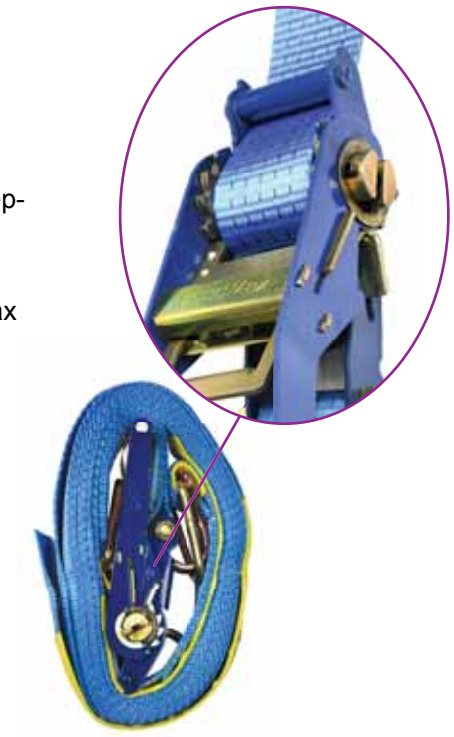
75mm Webbing

75mm CODE	LC	END FITTING	SIZE
204355	5000KG	H/Keeper	75mm x 9M

'Ergo' Ratchet Tie Downs

Loadmax Reverse action Ratchet Tie Down assemblies are the complete lashing system with the benefits of pull down action of the Ratchet Buckle also high pretension and less damage to cargo for general transport requirements.

- Lashing capacities available 2,500kg Webbing width 50mm
- Manufactured from high tenacity polyester Webbing, heavy duty Hook and Keepers stamped with lashing capacity heavy duty powder coated Ratchet Buckle.
- ID tagged on both tail and free end of strap with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.



CODE	LC	SIZE
204255	2500KG	50mm x 9M

Truck (Replacement) Winch Straps

Loadmax Winch Straps combined with Truck Winches are the complete lashing system with the benefits of high pretension and less damage to cargo for general transport requirements.

- Lashing capacities available from 2,500kg to 5,000kg with Webbing widths from 50mm to 75mm.
- Manufactured from high tenacity polyester Webbing with 2 x protective sleeves, heavy duty Hook and Keepers stamped with lashing capacity.
- ID tagged with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability
- Comply with AS/NZS 4380 with batch Test Certificate available upon request.

Hook/Keeper

CODE	LC	END FITTING	SIZE
205301 Suit to Gate winch	2500KG	H/Keeper	50mm x 5M
205315	2500KG	H/Keeper	50mm x 9M
205320	2500KG	H/Keeper	50mm x 11M
205323	2500KG	H/Keeper	50mm x 13M
205325	3000KG	H/Keeper	75mm x 9M
205330	5000KG	H/Keeper	75mm x 9M

Silver Rope

Loadmax Transport Silver Rope gives the benefits of superior strength, wear and abrasion resistant, water proof and provide excellent knotting properties generally for the transport, industrial and shipping industries however Silver Rope has many other applications.

- Rope diametres available from 6mm to 12mm in 125 metre and 250 metre coils
- Manufactured with a 3 strand Hawser Laid from polyethylene textile.
- An information card with lashing capacities and knot tie guide also provided.
- All Silver Ropes are white in colour with a strand flek to identify lashing capacity.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4345

CODE 125M	250M	SIZE	FLECK COLOR	LC
208005	208010	6mm	Blue, Black	160kg
208015	208020	8mm	Blue, Black	280kg
208025	208030	10mm	Blue, Yellow	430kg
208035	208040	12mm	Blue, Green	600kg

Silver Rope Hanks

Loadmax Transport Silver Rope come in handy hanks with the benefits of superior strength, wear and abrasion resistant, water proof and provide excellent knotting properties generally for the transport, industrial and shipping industries however Silver Rope has many other applications.

- Rope diametres available from 6mm to 12mm in 6 metre to 12 metre hanks
- Manufactured with a 3 strand Hawser Laid from polyethylene textile.
- An information card with lashing capacities and knot tie guide also provided.
- All silver ropes are white in colour with a strand flek to identify lashing capacity.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4345.

CODE	DESCRIPTION
280606	6mm x 6mtr SILVER ROPE HANKS
280808	8mm x 8mtr SILVER ROPE HANKS
281010	10mm x 10mtr SILVER ROPE HANKS
281212	12mm x 12mtr SILVER ROPE HANKS

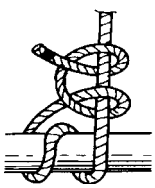
Using Ropes and Knots

Using Ropes and Knotting

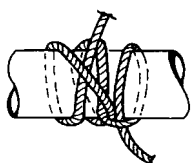
Ropes are attached to the tie rails and tensioned using knots. To be effective, the right knot must be used and correctly tied.

When tensioning a rope using a 'truckies' hitch, avoid injury by ensuring the rope does not break or cut on a sharp object or a knot does not slip and undo.

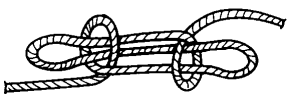
After a rope is tightened, the initial tension will usually relax after a very short time and the rope may need re-tightening



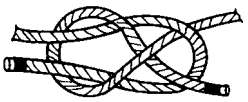
ROUND TURN & TWO HALF HITCHES



CLOVE HITCH & HALF HITCH



SHEEPSHANK



SINGLE SHEET BEND

Rubber Tarp Straps

Loadmax Rubber Tarp Straps generally used to tie down tarps for the transport industry. However Tarp Straps have many other applications.

- Tarp strap lengths available from 15" to 41"
- Manufactured from elasticized rubber compound with hi-tensile S-Hooks.
- All tarp straps have safety warning information impregnated into strap.

WARNING Eye protection must be used when using Rubber Tarp Straps.

CODE	LENGTH	MAX. STRETCH
207005	15"	25"
207010	21"	36"
207015	31"	44"
207020	41"	54"

Snatch Straps

Austlift Snatch Straps are manufactured from Hi-tendency 100% Nylon Webbing to ensure a minimum stretch of 20% suitable for 4WD recovery and towing applications.

- 10,000kg minimum break strength with a minimum stretch of 20%.
- 100% Nylon Webbing in 9 metre strap length as standard.
- Reinforced eyes for added protection from abrasion.
- Straps come with safety information tag.

CODE	LENGTH	LC
204390	75mmx9m	10,000kg

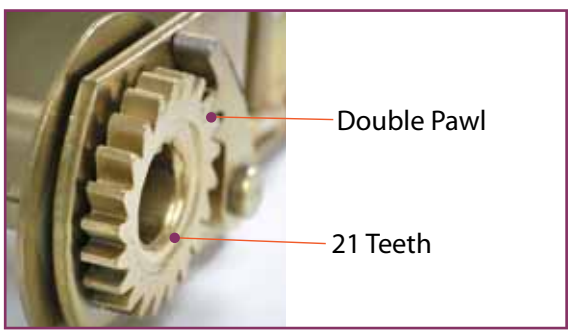
AUSWINCH FEATURES

AUSWINCH

Ratchet winch with 21 teeth double pawl locking device .

International Patent No PCT/AU2009/001455
Australian Patent No 2008905987

Our research and development team have come up with a new innovation in Truck Winch which gives the benefits of high pretension with 30% less effort for the operator over other Winches in the market place. This registered design in the gear and pawl has become the most advanced Winch in Australia .All Loadmax Winches have this feature as standard.



Our manufacturer has come up with a patent design in Truck Winches with the feature of a ratcheting head design which gives the benefits of quick take up of strap also provides limited ratcheting angles when in operation.All Loadmax ratchet head Winches are available.

Truck Winches

21 Teeth & Double Pawl

Loadmax Clip-On Standard Truck Winches are primarily fitted to truck tie rails with the benefit of a high pretension with less effort for easy operation making them an effective way to restraint heavy loads for transport applications.

- Lashing capacity of 3,000kg for Webbing or G70 Chain.
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

205000

Loadmax Slide-On Standard Truck Winches are primarily fitted to a Winch Track with the benefit of a high pretension with less effort for easy operation making them an effective way to restraint heavy loads for transport applications.

- Lashing capacity of 3,000kg for Webbing or G70 Chain.
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

205200

Loadmax Gate Truck Winches are primarily fitted to the under body of the trailer for lashing truck gates with the benefit of a high pretension with less effort for easy operation.

- Lashing capacity of 3,000kg for 5 metres of Webbing
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

205207

Loadmax Heavy Duty Truck Winches are primarily fitted to the under body of the trailer for lashing truck gates with the benefit of a high pretension with less effort for easy operation.

- Lashing capacity of 5,000kg for 9 metres of Webbing
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

205215

Ratchet Truck Winch

AUSWINCH

International Patent No.: PCT/AU2009/001455
Australian Patent No.: 2009317858
Design No.: 305232

CODE	204990	205090	204995	205095
Products	Clip on, LC3000KG AusWinch (Bare Winch)	Slide on, LC3000KG AusWinch (Bare Winch)	Clip on, LC3000KG Ratchet Winch 50mmx9M	Slide on, LC3000KG Ratchet Winch 50mmx9M

Standard Truck Winch

Slide-on Winch | Clip on Winch | Gate Winch | Heavy duty Winch

CODE	205200	205000	205207	205215
Products (Bare Winch)	Slide-on, LC3000KG Std. Winch (Bare Winch)	Clip on, LC3000KG Std. Winch (Bare Winch)	Gate Winch, LC3000KG (Bare Winch)	H/Duty Winch, LC5000KG (Bare Winch)

Slide-on Winch | Clip on Winch | Gate Winch | Heavy duty Winch

CODE	205203	205003	205208	205210
Products (With Strap)	Slid on, LC3000KG Std. Winch 50mmx9M	Clip on, LC3000KG Std. Winch 50mmx9M	Gate Winch, LC3000KG 50mmx9M	H/Duty Winch, LC5000KG 50mmx9M

Ratchet Buckles

Loadmax Ratchet Buckles and Cam Buckles are used for a tie down accessory combined with Webbing generally for the transport industry also has many other applications .

- Lashing capacities from 200kg to 5,000kg available.
- Suits Webbing sizes from 25mm to 75mm.
- Manufactured from hi-tensile steel.
- Marked with lashing capacity.

38mm Ratchet
LC 1250kg
Blue or Black
Powder Coated
Code: 206036

50mm Ratchet
LC 2500kg
Blue or Black
Powder Coated
Code: 206050

50mm Ratchet
LC 1000kg
Blue or Black
Powder Coated
Code: 206051

75mm Ratchet
LC 5000kg
Blue or Black
Powder Coated
Code: 206075

25mm Ratchet
LC 800kg
Blue or Black
Powder Coated
Code: 206025

25mm Ratchet
LC 400kg
Blue or Black
Powder Coated
Code: 206026
(Gold Zinc)206206G

Cam Buckles
25mm(150kg) 206124
25mm(225 kg)206125
25mm(350kg)206126
51mm(550kg)206128

Curturn Buckle
LC 1250kg
Blue or Black
Powder Coated
Code: 206302

Keeper
Gold plated
38mm: 206157
50mm: 206350
75mm: 206159

Hooker & Keeper
Gold plated
38mm(1500Kg): 206151
50mm(2500Kg): 206152
75mm(5000Kg): 206153

Round Rings
50mm x Ø10mm
Code: 206117
76mmxØ10mm
Code: 206118

J Latch Hook Compact c/- Ratchet Buckle
38mm
LC 1500Kg
Code: 206141

Single J Hook
50mm HD LC 2500KG
Code: 206168

Double J Hook
LC 750kg 25mm: 206160
LC 1500kg 38mm: 206107

Loadmax Lashing hardware are used for a tie down accessory combined with Webbing generally for the transport industry also has many other applications .

- Lashing capacities from 200kg to 5,000kg available.
- Suits Webbing sizes from 25mm to 75mm.
- Manufactured from hi-tensile steel.
- Marked with lashing capacity.
- Conforms to AS/NZS 4380.

Butterfly Hook Truck Fitting
LC 1000Kg
Code: 206114

S Hooks
Plastic dipped
LC (600Kg): 206102

Anchor Point
LC1250kg
Code: 206133

Eye Tow hook
LC 2455KG
Code: 201508

Delta Ring
Gold Plated
75mm, LC 5000Kg
HD Code:206306*

*Non-stocked item.

D Ring
52mm, LC2500KG
Zinc finish
Code: 206111

E Hook
52mm
Zinc finish, LC1000KG
Code: 206115

Wooden Beam Socket
Zinc finish
43mm(w) 70mm(h)
Code: 206113

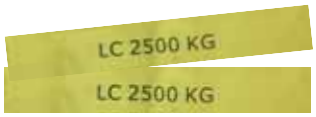
Corner Protector
1000mm
Plastic
Code: 206009

Anchor Point
150x150mm
LC 1125kg
Code: 206131

Round Anchor Point
120mm
LC 275kg
Code: 206130

Eye Ring
Eye Ring 50mm
LC 4250Kg
Code:206119

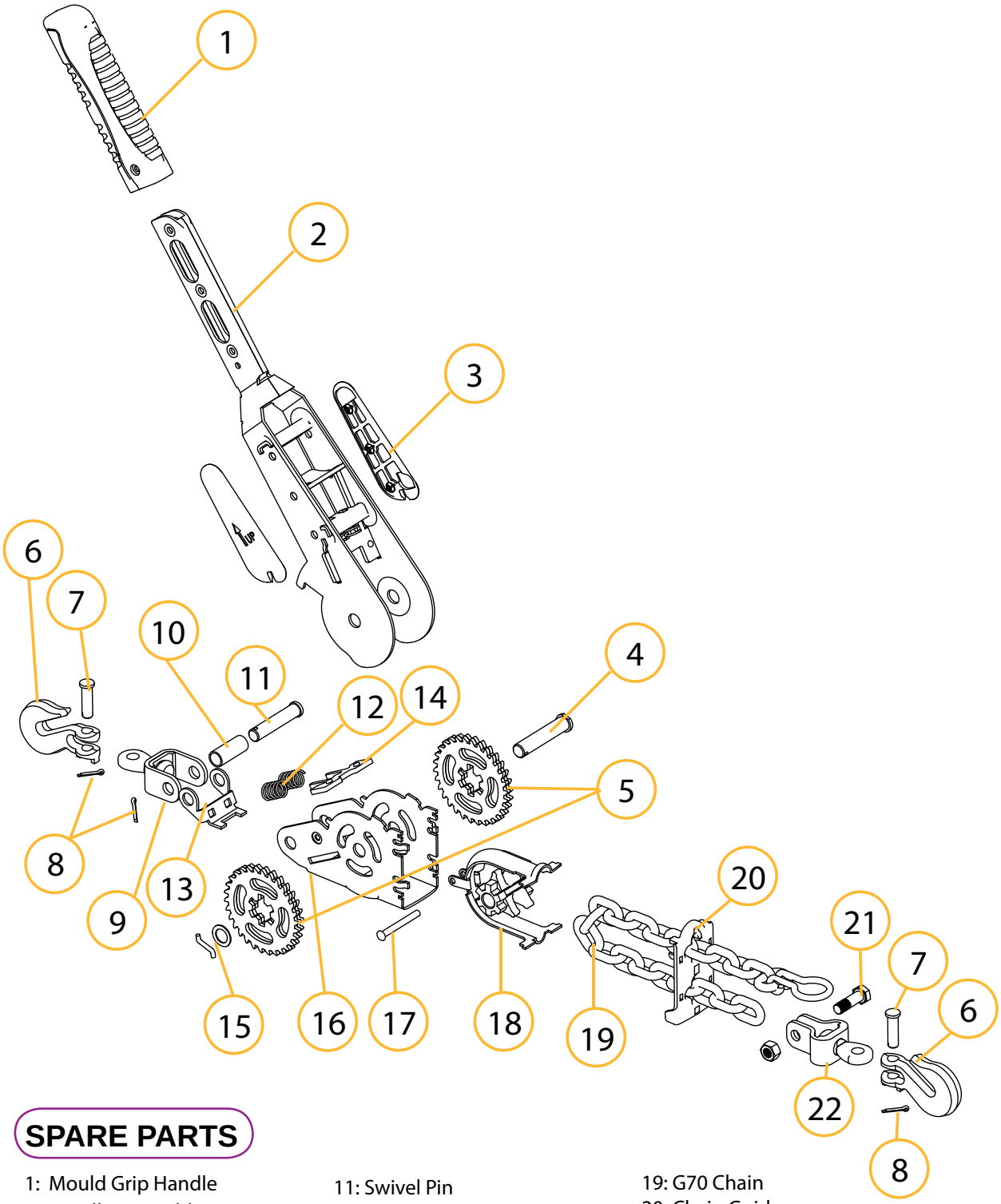
Corner Protection
Webbing Type (L/D) Plastic
100mm
Code:206007



Protection Sleeves /Pair (Mark LC 2.5T)
Webbing (300mm x 50mm)
Code:204400

Flat Hook
Black finish, 51mm
LC 2200kg
Code: 206105

Vehicle Flat Double Hook
50mm
LC 2500kg
Code:206103



SPARE PARTS

1: Mould Grip Handle
2: Handle Assembly
3: Handle Cover
4: Gear Pin
5: Ratchet Gear x2
6: Grab Hook x2
7: Load Pin x2
8: Split Pin x3
9: Hook Swivel
10: Bush
11: Swivel Pin
12: Paw Spring
13: Spring Bracket
14: Paw
15: Gear Washer& Pin
16: Main Body
17: Body Pin
18: Chain Guard &Wheel
19: G70 Chain
20: Chain Guide
21: Swivel Bolt
22: Chain Swivel

CAUTION

Under Duty of Care laws, Load Restraint products shall comply with AS/NZS4344-2001.
Transport Chain and components AS/NZS4380-2001 Transport Webbing.

Accountability
The legal responsibility of Packing, Loading, Driving, Receiving and Operation liability stops with the driver.

New regulation
Traffic Inspectors and Police have the legal right to search and inspect your vehicle at any time and fine you on the spot.

Employees
The operator, driver and anyone else is responsible while any vehicle is used on public roads.

TRANSPORT CHAIN AND FITTINGS

- Do not use transport G70 Chain for any lifting purposes.
- The Australian Standard states that G70 Chain shall be marked with 4344 together with lashing capacity. If marking is not on Chain do not use it.
- Loadmax ensures G70 Chain is rigorously tested compliant to AS4344 and of the highest quality.
- Loadmax G70 Chain and fittings are clearly marked Grade 70 with lashing capacity “LC”, size of Chain and branded Loadmax for traceability.

TRANSPORT LOAD BINDERS

- Avoid injury – operate by hand only from a standing position on firm ground.
- Load binding systems store force which can release suddenly, Stay clear of handle, as it could suddenly release with force causing personal injury.
- Regularly inspect Load Binders before using, for wear, bending, cracks and gouges. Do not use the Load Binder if any of the above are present and replace any damaged or faulty Load Binders.
- Ensure the appropriate size and grade of Chain and fittings are used with the Load Binder.
- It is not recommended to use the handle extensions (pipes or cheater bars) as they can overload and weaken the entire system.
- Ensure Load Binders are tight before moving, As loads settle in transportation you should stop and recheck tension frequently.
- Never discard warning instructions and read them for safety sake.

RATCHET ASSEMBLIES

- Loadmax Ratchet Tie Down assemblies have the lashing capacity on Safety Tags, Ratchet Buckle also Hook and Keepers to aid the operator to select the correct lashing system for the load to be transported.
- Loadmax Ratchet Buckles are powder coated together with safety lock to prevent the assembly to accidentally loosen or slipping of the load.
- The Webbing used for Loadmax Tie Down assemblies are manufactured from high tendancy polyester yarn for superior strength and pretension.
- All Heavy Duty Tie Down assemblies come with reinforced eyes for the Hook and Keepers and 2 x wear protective sleeves to add life to the assembly.
- Sewn into both ends of the assembly are ID tags with safety information, lashing capacity, date of manufacture and branded Loadmax for traceability.

TRUCK WINCHES

- Ensure the strap used on the Winch is tensioned during transporting
- as loose straps will wear prematurely over tight straps.
- Regulary inspect the Pawls and Cog Teeth for any damage, and check they are in good working order.
- Ensure the correct Winch is selected for the appropriate transport application.
- For Clip-on type Winches, make sure the bar arms are straight and show no signs of distortion.
- It is recommended that at least three turns of Webbing remains on the Winch Drum to provided enough friction hold to the Winch.

UNDERSTANDING G FORCES

When cornering, stopping, accelerating, and in emergencies loads are subjected to G forces. During transport operation this can lead to a variety of movements of the load which may create serious hazards to both the driver and other road users, Shifting loads can cause serious destabilization of the vehicle, or penetration of loads through the cabin, particularly in emergency braking situations. Therefore G forces must be taken into consideration when specifying Load Restraint equipment.

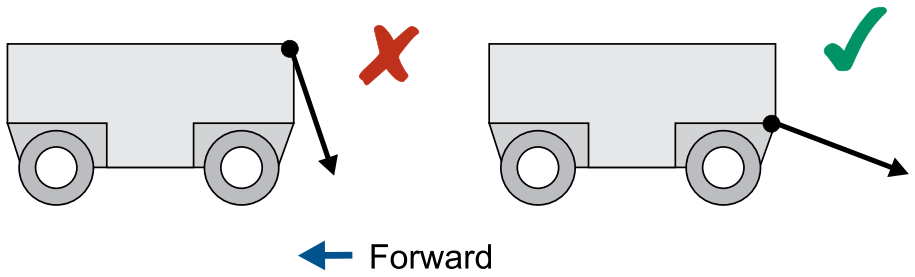
DIFFERENT METHODS FOR RESTRAINT APPLICATIONS.

Tiedown-This is used to maximize the friction between the load and the deck friction co-efficient. Tiedown lashings rely on the pretension capability of the assembly and not on the overall strength of the system. Eg; if the system is capable of exerting sufficient pre-tension it is strong enough for the application.

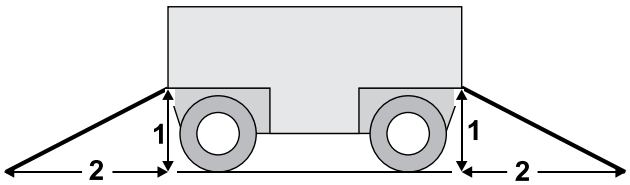
Direct- With direct lashings the assembly strength is used to restrain the load, sometimes in several directions, with less emphasis placed on friction values. The angles of the straps can lead to a reduction in overall assembly strength. Note the use of round slings around the awkward load.

Combination- It is sometimes necessary to combine both direct and tiedown methods to particular loads. This utilizes both the strength of the direct lashing and the clamping force of the tiedown.

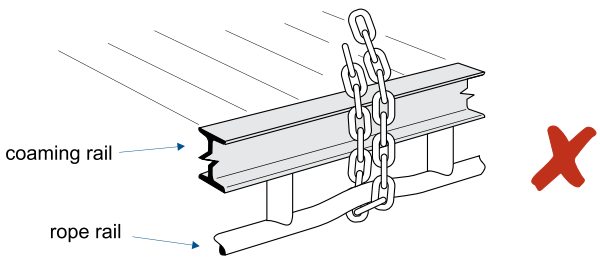
SAFETY LASHING TIPS:

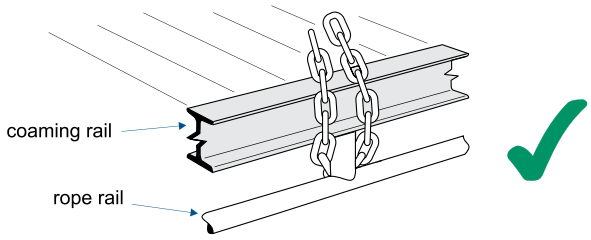


DIRECT LASHING ANGLES (front lashings not shown)

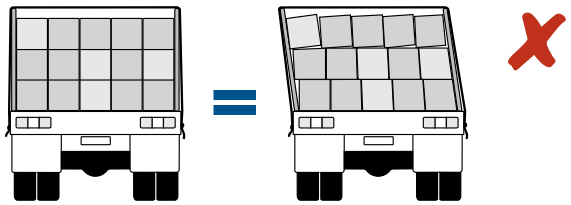


RECOMMENDED DIRECT LASHING ANGLE

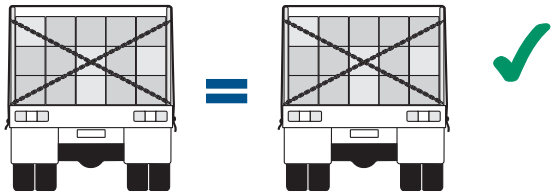




CORRECT (at support point)



STACKED PACKS



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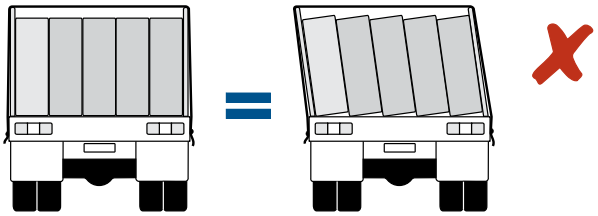
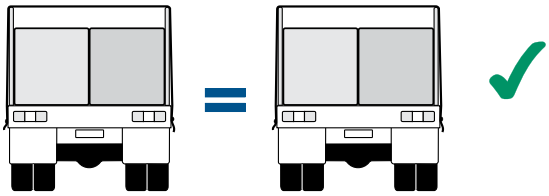
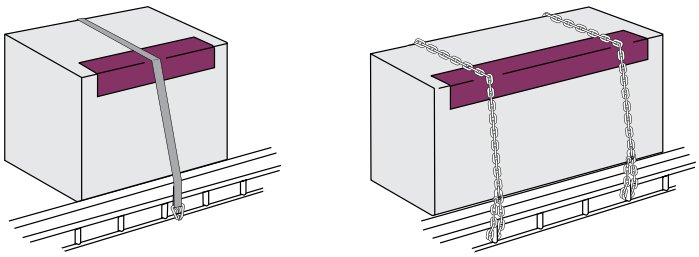


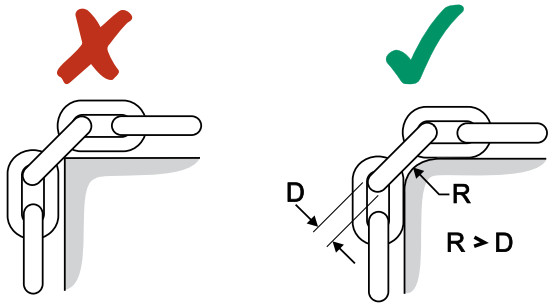
TALL UNSTABLE PACKS



STABLE RIGID PACKS



LASHING AND LOAD PROTECTION



CHAIN OVER SHARP CORNER

Onsite customer training.

4WD RECOVERY

Wire Rope Hoist

Complete with 20m wire rope assembly & reeler

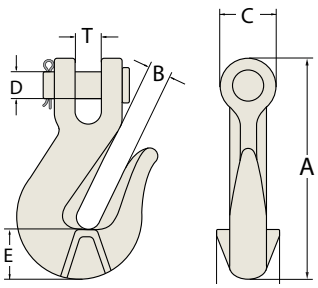
As well as lifting and hauling loads Austlift Wire Rope Hoist are also ideally used for 4WD off road recovery.

- Compact lightweight and robust in construction.
- Recommended for portable applications.
- Able to be operated at any angle easy to handle.
- Hoists come with Wire Rope. Longer lengths available.
- Hoists are individually proof tested and serial numbered.
- All hoists have spare shear pins in handle.
- Conforms to AS1418.2 with instruction manual.

CODE	135008A	135016
WLL	800kg	1600kg
Pulling Capacity	1250kg	2500kg
Wire rope	8.3mm	11.4mm
Construction	6x19S+IWRC	6x25Fi+IWRC
Advance/pull	52mm	55mm
Handle force	343N	438N

Grab Hook

with supporting lugs



Loadmax Clevis Winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a cradle built into the hook to achieve full lashing capacity.

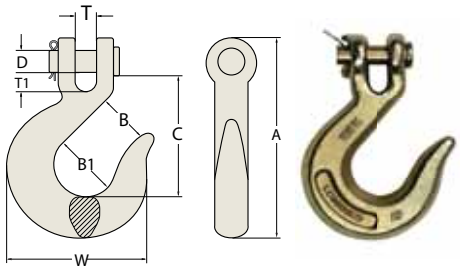
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability.
- Batch Test Certificate available upon request.
- Comply with AS 4344.

CODE	SIZE	L.C	Wt.	DIMENSIONS						
	mm	kg	kg	A mm	B mm	C mm	D mm	E mm	F mm	T mm
201008	8	3800	0.35	95	12	23	11.5	24.5	31.5	11.5

Clevis Slip Hook

Loadmax Clevis Slip Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a hook style fitting for all sorts of lashing applications.

- Sizes available from 8 to 13mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability.
- Batch Test Certificate available upon request.
- Comply with AS 4344.



CODE	SIZE	L.C	Wt.	DIMENSIONS							
				A	B	B1	C	D	T	T1	W
	mm	t	kg	mm	mm	mm	mm	mm	mm	mm	mm
201308	8	3.8	0.33	114	27	32	74	9.9	13	13.4	75

Recovery Drag Chain Kit

Loadmax G70 Drag Chain Kits gives considerably higher load bearing capacity when required for 4WD recovery, towing, logging and other agricultural applications .

- Chain Kits available from 8 to 13mm and supplied with Lug link, Grab Hook or Slip Hook.
- Supplied at 5 metre length as standard however longer lengths can be supplied upon request.
- All Grade 70 Drag Chain Kits come with re-usable plastic containers.
- Batch Test Certificate available upon request.
- Comply with AS 4344.

CODE	SIZE
Lug Link Grab Hook	Chain size x L
203408	8mm X 5M
203410	10mm X 5M
203413	13mm X 5M

Ratchet Tie Downs

Loadmax Ratchet Tie Down assemblies are the complete lashing system with the benefit of high pretension and less damage to cargo. For general transport requirements.

- Lashing capacities available from 250kg to 5,000kg with Webbing widths from 25mm to 75mm.
- Manufactured from high tenacity polyester Webbing, heavy duty Hook and Keepers stamped with lashing capacity, heavy duty powder coated ratchet buckle.
- ID tagged on both tail and free end of strap with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

CODE	LC	END FITTING	SIZE
204020	250KG	S Hooks	25mm x 4.5M
204030	500KG	S Hooks	35mm x 6M
204035	1500KG	H/Keeper	35mm x 6M

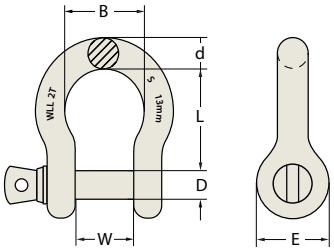
Snatch Straps
LC 10,000 kg
75mm x 9metre
Code: 204390

Off Road Block c/w Vinyl Bag
MBS 8,000 kg, Sheave 125mm
For 11mm Wire Rope Only
Code: 204395

Gold Screw Pin , Bow Type Grade 'S' Shackle

Austlift Gold Screw Pin Bow Shackle are most commonly used for lifting applications, providing temporary connections to Chain ,Wire Rope and other rated fittings within the marine, agricultural ,mining and engineering industries.

- Conforms to AS2741 manufactured from Grade "S" material in bow configuration with Screw Pin hot dipped galvanized.
- Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.



CODE	SIZE	WLL	Wt.	DIMENSIONS					
	mm	T	kg	B mm	D mm	d mm	E mm	L mm	W mm
503016	16	3.2	0.63	43	19	16	40	61	27
503019	19	4.7	1.02	51	22	19	48	72	32

AUSTRALIAN LIFTING CENTRE PTY LTD

STEEL WIRE ROPE FITTINGS

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LoadMax®

AUSTLIFT®

LIFTING YOUR BUSINESS TO A HIGHER LEVEL

Contents

Heavy Duty Commercial Wire Rope Grip	95
Double Throated Wire Rope Grip	95
Australian Standard Wire Rope Grip	96
Commercial Thimble	96
AS Gold Tip Thimble	97
Thimble Eye Nut	97
Solid Thimble Pilot Hole (Hot dip Gal)	98
Pre-drilled Solid Thimble	98
Wedged Socket,Open Type,Clevis	99
AS Open Thimbles	99
Copper Ferrules	100
Nickel Plated Copper Ferrules	100
Aluminium Ferrules	101
Ferrules Selection Chart	102
Warning	102
How To Use Wire Rope Grips	103
Wedge Socket Safety Installation	105
Safety Information For Wedge Socket	105

Wire Rope Grips

Correctly applied Wire Rope Grips serve as a simple mechanical means of securing the end of steel Wire Rope. They are appropriate for temporarily securing the end of steel Wire Rope that may need to be shortened. They should not be used to secure a rope that is later to be lengthened from the gripped end.

Wire Rope Grips should not be used in lifting applications or rope terminations on load suspension devices that are used for lifting.

Wire Rope Grips should not be used for making terminations on live running ropes nor where a rope is required to support persons or suspended loads.

Types of Wire Rope Grips

AS Wire Rope Grips: Not for lifting applications Manufactured to AS2076, not to be used on living running ropes, supporting persons or suspending loads. The bridge of the grip shall be marked with the nominal size. Tested Wire Rope Grips are used for applications where Socketing or splicing is not feasible for temporary or non-permanent applications. Wire Rope Grips can be used in guying applications.

Commercial Grade Wire Rope Grips Not for lifting applications. Manufactured to duty applications. Usually supplied in electroplated finish.

Stainless Steel Wire Rope Grips Not to be used for lifting. These grips are not produced to any standard.

Double Base Wire Rope Grips are commonly used for a higher grip hold of the Wire Rope. Also with the double base the grip tends not to damage the wire in case it require lengthening.

Mechanical Type Wire Rope Slices

Many Wire Rope Slings are now spliced by one of several types of mechanical splices, which mainly fall into two methods:

- Swaged aluminium alloy splices
- Swaged or pressed steel collar splices

Swaged Alluminium Alloy Splices

The rope is cut and passed through the unpressed elliptical shaped fitting. An eye is formed and the "dead end" of the rope pushed back into fitting so that it lays parallel and against the main part of the rope. The aluminium alloy fitting is then put into special dies and pressed. This procedure requires fittings of this type to be carried out in the following manner:

Whipping is to be confined to non-performed ropes only and shall be of annealed wire of the smallest gauge practical and its length shall not exceed one-half of the diameter of the rope being spliced.

The completed splice on all rope 5mm diameter and above is to be stamped with the identification mark of the company manufacturing the splice.

On all parallel fittings the "dead end" of the rope must protrude past the end of the fitting after pressing.

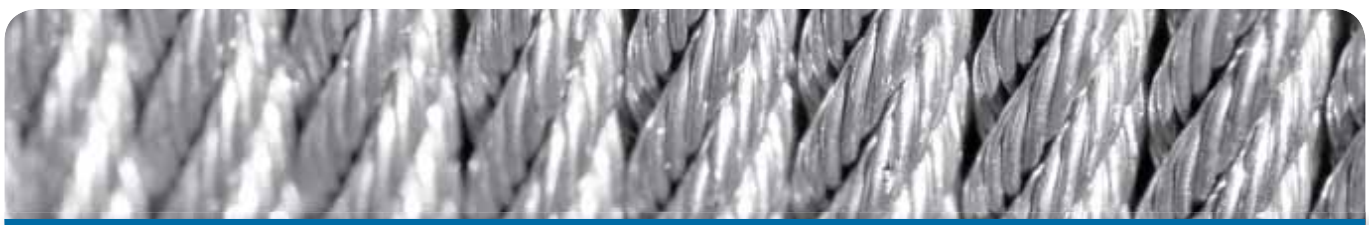
It is essential that all fittings used for these splices be obtained from the distributing company which holds the acceptance from this department.

Under no circumstance should substitute fittings or dies be used.

Swaged or Pressed Steel Collar Splices

This type of splice is only carried out on six strand preformed Wire Rope. The strands of the rope are unlayed and reformed to form a Flemish eye.

The steel collars are then swaged or pressed over the ends of the strands to prevent them from unlaying.

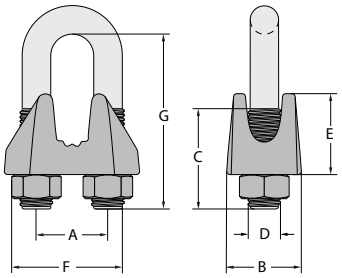


When you choose Austlift™
You choose quality.

Heavy Duty Commercial Wire Rope Grip

WARNING NOT FOR LIFTING PURPOSES

- Only genuine Austlift grips have a Gold U-BOLT for instant recognition.
- Heavy duty saddle and comes with larger nut size for greater tightening force.
- Sizes available are from 2mm to 25mm.
- Zinc plated finish on both U-bolt and saddle.
- Tolerances may vary for commercial products
- NOT FOR LIFTING PURPOSES.

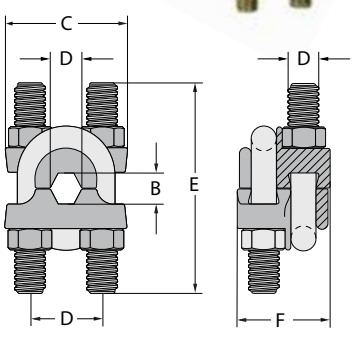


CODE	SIZE		Wt.	DIMENSIONS						
	in	mm	kg/pc	A mm	B mm	C mm	D in	E mm	F mm	G mm
301002	1/16	1.6-2	0.014	9.5	12	12.5	3/16	10	20.5	18.5
301003	1/8	3	0.017	11	14	14	3/16	10.8	22	20
301005	3/16	4-5	0.03	14.5	15	16.5	1/4	13	26	24
301006	1/4	6	0.053	17	18.5	20	5/16	15	32	31.5
301008	5/16	8	0.06	18.3	20	22	5/16	16	35	34
301010	3/8	9-10	0.103	22.5	22	27	3/8	22	40.5	41.8
301013	1/2	12-13	0.21	27	26	33	7/16	23.3	49	51
301014	9/16	14	0.23	30	27.5	35	1/2	26	54	54
301016	5/8	16	0.25	32.5	28.5	40	1/2	28	57.5	59
301020	3/4	19-20	0.37	34.5	30	42	9/16	32	59.5	68.5
301022	7/8	22	0.5	41	35	46	5/8	37	69	78
301025	1	25	0.6	45.5	38	55	5/8	41	75	87.5

Double Throated Wire Rope Grip

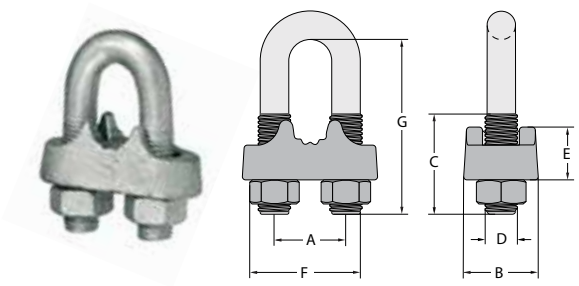
WARNING NOT FOR LIFTING PURPOSES

- Only genuine Austlift grips have a Gold U-BOLT for instant recognition.
- Heavy duty double saddle and comes with larger nut size for greater tightening force.
- Sizes available are from 8mm to 16mm.
- Zinc plated finish on both U-bolt and saddle.
- Designed and tested according to AS2076
- NOT FOR LIFTING PURPOSES.



CODE	SIZE	DIMENSIONS						
	mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm
301608	8	9	11	46	27	85	39	M8
301612	10-12	12	14	51	30	90	40	M10
301616	16	17	19	53	32	95	46	M10

Australian Standard Wire Rope Grip



WARNING NOT FOR LIFTING PURPOSES

- Conforms to AS2076 and marked with AS and size under saddle.
- Heavy duty cast steel saddle and hi tensile U-bolt comes with larger nut size for greater tightening force.
- Sizes available are from 6mm to 52mm.
- Hot dipped galvanized finish on both U-bolt and saddle.
- NOT FOR LIFTING PURPOSES.

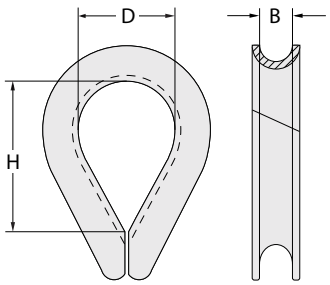
CODE	SIZE	Wt.	DIMENSIONS						
	mm	kg/pc	A mm	B mm	C mm	D in	E mm	F mm	G mm
301506	6	0.04	14	15	20	M6	12	28	26
301508	8	0.069	18	19	22	M8	14	34	32
301510	10	0.12	20	23	27	M10	17	42	40
301512	12	0.132	22.3	28	32	M10	20	50	48
301514	14	0.223	27	32	38	M12	22	52	52
301516	16	0.351	31	32	41	M14	26	66	64
301518	18	0.488	35	38	47	M16	27	68	68
301520	20	0.98	43	46	58	M20	36	89	88
301522	22	1.123	40	46	61	M20	32	72	92
301526	26	1.425	50	50	66	M22	38	90	96
301528	28	1.56	52	50	70	M22	39	92	104
301532	32	1.9	56	55	75	M24	41	112	120
301538	38	2.1	64	55	78	M24	48	120	122
301544	44	3.0	73	62	90	M27	52	135	150
301552	52	4.2	85	69	103	M30	56	154	185

Commercial Thimble

WARNING NOT FOR LIFTING PURPOSES

Commercial Thimbles are recommended for light duty applications.

- Zinc plated finish and made from light gauge steel.
- Sizes available are from 2mm to 24mm.
- Tolerances may vary for commercial products
- NOT FOR LIFTING PURPOSES.

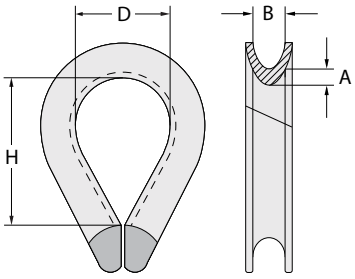


CODE	SIZE	Wt.	DIMENSIONS		
	mm	kg/pc	B mm	H mm	D mm
302002	2	0.002	2	10	8
302003	3	0.003	3	13	10
302004	4	0.006	4	16	11
302005	5	0.015	5	22	16
302006	6	0.018	6	26	19
302008	8	0.03	8	34	24
302010	10	0.043	10	42	32
302012	12	0.062	12	51	38
302016	16	0.105	16	60	42
302020	20	0.215	20	71	50
302022	22	0.34	22	79	62
302025	24	0.48	24	82	71

CODE	SIZE	Wt.	DIMENSIONS			
	mm	kg/pc	A mm	B mm	H mm	D mm
302506	6	0.04	4	7	25	16
302508	8	0.052	5	7.9	33	22
302510	10	0.08	5	10.3	38	25
302511	11	0.09	6	12.7	41	29
302512	12	0.13	6	14.3	44	32
302514	14	0.15	7	15	46	38
302516	16	0.26	8	15.9	59	41
302518	18	0.35	8	18	65	46
302519	19	0.40	9	20.6	73	51
302520	20	0.50	10	21.6	75	52
302522	22	0.62	10	22.2	83	57
302524	24	0.9	11	25.4	92	64
302526	26	1.0	11	27	111	72
302528	28	1.1	12	28.6	111	76
302532	32	1.3	14	33.4	133	95
302536	36	2.2	16	38	152	105
302540	40	3.2	18	43	165	114
302544	44	5.6	20	47	178	127
302548	48	8.2	22	51	190	134
302552	52	11.0	22	55	203	140

AS Thimbles are recommended for heavy duty applications.

- Conforms to AS1138 and Gold tip painted the mark of Austlift products.
- Made from heat treated high tensile steel material.
- Sizes available are from 6mm to 52mm.
- Hot dipped galvanized finish.
- FOR LIFTING PURPOSES.

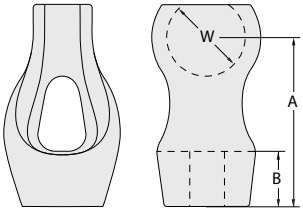


Thimble Eye Nut

Thimble Eyenuts are recommended where a Wire Rope can be terminated to a female thread.

- Proof tested double the working load limit.
- Made from heat treated high tensile steel material.
- Thread sizes available are M20 and M24.
- Hot dipped galvanized finish.

CODE	SIZE	WLL	MBS	DIMENSIONS		
	mm	tonn	KN	A mm	B mm	W mm
302720	M20	3.6	144	87	30	23
302724	M24	4.2	164	87	30	30

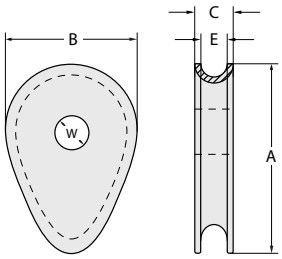


Solid Thimble Pilot Hole (Hot dip Gal)

Austlift Solid Heart Thimbles are commonly used to terminate Crane Ropes and are ideal where the Thimble is required to interface directly with a Rigging Screw, Turnbuckle or other rigging accessory where limited articulation is desired.

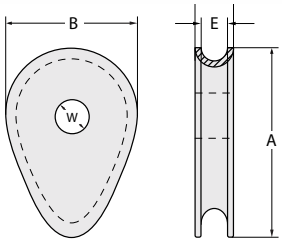
- Conforms to AS1138.
- Made from heat treated high tensile steel material.
- Sizes available are from 8mm to 48mm.
- Hot dipped galvanized finish.
- Refer to the Australian Standards for advice on drilling larger hole sizes.
- Pre-drilled pilot hole.
- FOR LIFTING PURPOSES.

Note: Holes sizes can be drilled to your requirements, charges apply.



CODE	SIZE	DIMENSIONS				
	mm	A mm	B mm	C mm	E mm	W mm
302908	8	56	40	15	9	10
302910	10	70	50	17.5	11	10
302912	12	84	60	20	13	10
302914	14	98	70	23.5	16	10
302916	16	110	80	26	18	10
302918	18	130	90	28.5	20	10
302920	20	140	100	31	22	10
302922	22	150	110	33.5	24	10
302924	24	170	120	36	26	10
302926	26	180	130	39.5	29	10
302928	28	200	140	42	31	10
302932	32	220	160	47	35	10
302936	36	250	180	53	40	10
302940	40	280	200	58	44	10
302944	44	310	220	63	48	10
302948	48	POA	240	69	52	10

Pre-drilled Solid Thimble

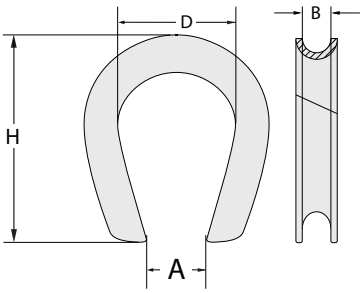


CODE	SIZE	PRE DRILLED	DIMENSIONS				
	mm	Hole Size	A mm	B mm	C mm	E mm	W mm
302600	16	28mm	110	80	26	18	28
302605	18	30mm	130	90	28.5	20	31
302610	20	30mm	140	100	31	22	35
302615	22	32mm	150	110	33.5	24	38
302620	24	41mm	170	120	36	26	41
302625	26	44mm	180	130	39.5	29	44
302630	28	47mm	200	140	42	31	47
302635	32	53mm	220	160	47	35	53
302640	36	59mm	250	180	53	40	59
302645	40	65mm	280	200	58	44	65
302650	44	70mm	310	220	63	48	70

Austlift Open type Thimbles are for applications where a fitting may be placed into the Thimble without opening the Thimble and can be closed back to intended form.

- AS Thimbles are recommended for lifting applications.
- Conforms to AS1138 and Hot dipped galvanized finish.
- Made from heat treated high tensile steel material.
- Sizes available are from 10mm to 16mm.
- FOR LIFTING PURPOSES.

CODE	SIZE	Weight	DIMENSIONS			
	mm	kg/pc	A (mm)	B (mm)	D (mm)	H (mm)
302810	10	0.09	20	12	30	60
302812	12	0.13	20	16	37	65
302816	16	0.26	25	20	50	88

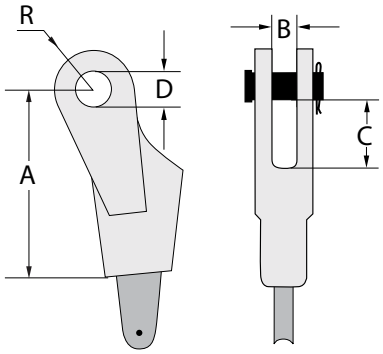


Wedged Socket,Open Type,Clevis

Austlift Open Wedge Socket is fitted to a Wire Rope. The nominal diameter of the Wire Rope shall be equal to the nominal size of the Wedge-Type Socket and the loaded end of the rope shall enter the Socket body so that when loaded it will not bend where it leaves the Socket body. Suitable for rope termination such as crane rope applications.

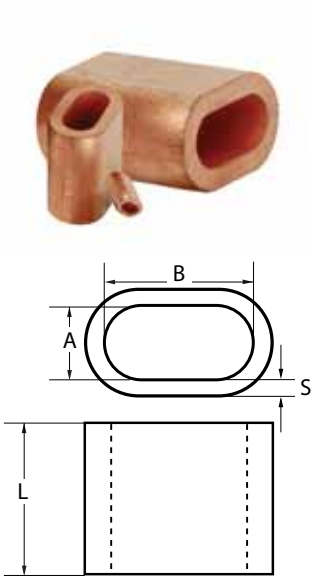
- Nominated rope sizes from 10mm to 32mm available.
- Manufactured from forged alloy steel material.
- Proof loaded 2 x WLL and Break tested to 4 x WLL.
- Complies to AS2740 with test certificate with each fitting.

CODE	SIZE	WLL	Wt.	DIMENSIONS				
	mm	Tonne	kg/pc	A mm	B mm	C mm	D mm	R in
308010	10	1.5	1	120	16.5	37.7	20	25
308012	12	2	1.7	155	21.3	66	25	30
308014	14	2.5	2.34	185	23.5	80	30	35
308016	16	3	3.27	195	28.2	80	34	42
308018	18	3.5	4	195	28	81	36	44
308020	20	5.1	5.45	220	31.9	82	38	50
308022	22	5.6	6.37	240	31.9	100	40	52
308024	24	6.6	8.32	260	34.3	100	50	60
308028	28	9.5	13.94	305	40.2	100	55	70
308032	32	12	17.94	360	43.9	120	65	77



FERRULES

Copper Ferrules



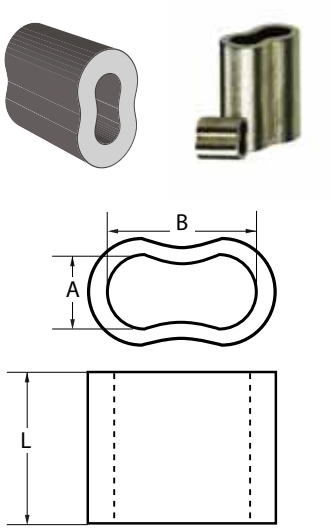
Austlift Copper type Ferrules made to DIN standard and mainly used for splicing Stainless Steel Wire Rope to form an eye for Wire Rope Slings, Winch cable etc.

- High quality Ferrules and conforms to DIN 3039.
- Copper hydraulic machine press type.
- Sizes from 1.5mm to 16mm.
- For turn-back Wire Rope splicing.
- Stamped with identification mark and size from 8mm onwards.

PRODUCT CODE	DIN CODE	DIMENSIONS A (mm)	B (mm)	S (mm)	L (mm)
304015	1.5	1.8	3.6	1.05	6
304020	2	2.4	4.8	0.85	7
304025	2.5	2.7	5.4	1.1	9
304030	3	3.3	6.6	1.35	11
304035	3.5	3.9	7.8	1.6	13
304040	4	4.3	8.8	1.7	14
304050	5	5.6	11.2	2.1	18
304060	6	6.7	13.4	2.5	21
304065	6.5	6.9	14	2.7	23
304080	8	8.5	17	3.5	28
304090	9	9.9	19.8	3.7	32
304100	10	10.9	21.8	4.1	35
304120	12	13.2	26.4	4.9	42
304140	14	15.3	30.6	5.8	49
304160	16	17.5	35	6.7	56

Nickel Plated Copper Ferrules

(Hand Swaged)



Austlift Copper type hand pressed Ferrules made to DIN standard and mainly used for splicing Stainless Steel Wire Rope to form an eye for Wire Rope Slings, Balustrade etc.

- High quality Ferrules and conforms to DIN 3039.
- Hand pressed type with use of crimping tool.
- Sizes from 1.5mm to 4mm.
- For turn-back Wire Rope splicing.
- Nickel plated to match rope colour .

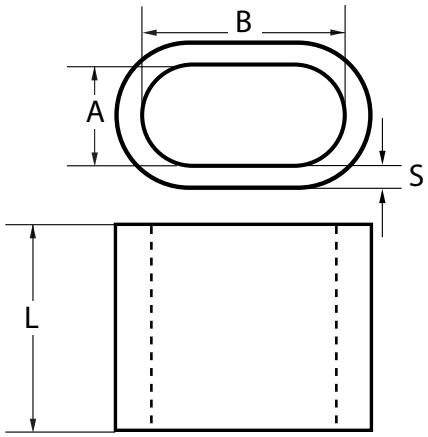
CODE	SIZE mm	DIMENSIONS A (mm)	B (mm)	L (mm)
305015	1.5	1.5	4.9	8
305020	2	2	4.9	9
305025	2.5	2.5	6	10
305030	3	3	7.3	13
305035	3.5	3.5	8	14
305040	4	4	9.1	16

Note: Please confirm upon order re-applied Wire Rope, as Ferrule sizes differ for FC & IWRC Wire Rope during swaging

PRODUCT	DIN	DIMENSIONS				N,W (kg)
CODE	CODE	A (mm)	B (mm)	S (mm)	L (mm)	PER 1000 PCS
303015	1.5	1.7	3.4	0.75	6	0.211
303020	2	2.2	4.4	0.85	7	0.375
303025	2.5	2.7	5.4	1.05	9	0.499
303030	3	3.3	6.6	1.25	11	0.843
303035	3.5	3.8	7.6	1.5	13	1.32
303040	4	4.4	8.8	1.7	14	1.81
303045	4.5	4.9	9.8	1.9	16	2.61
303050	5	5.5	11	2.1	18	3.57
303060	6	6.6	13.2	2.5	21	5.86
303065	6.5	7.2	14.4	2.7	23	7.55
303080	8	8.8	17.6	3.3	28	13.7
303090	9	9.9	19.8	3.7	32	19.8
303100	10	10.9	21.8	4.1	35	26.4
303110	11	12.1	24.2	4.5	39	35.8
303120	12	13.2	26.4	4.9	42	45.8
303130	13	14.2	28.4	5.4	46	59.7
303140	14	15.3	30.6	5.8	49	73.5
303160	16	17.5	35	6.7	56	111
303180	18	19.6	39.2	7.6	63	156
303200	20	21.7	43.4	8.4	70	217
303220	22	24.3	48.6	9.2	77	292
303240	24	26.4	52.8	10	84	376
303260	26	28.5	57	10.9	91	481
303280	28	31	62	11.7	98	603
303300	30	33.1	66.2	12.5	105	739
303320	32	35.2	70.4	13.4	112	897
303340	34	37.8	75.6	14.2	119	1077
303360	36	39.8	79.6	15	126	1275
303380	38	41.9	83.8	15.8	133	1503
303400	40	44	88	16.6	140	1734
303420	42	46.2	92.4	17.5	147	2024
303440	44	48.4	96.8	18.3	154	2314
303460	46	50.6	101.2	19.2	161	2662
303480	48	52.8	105.6	20	168	3010
303520	52	57.2	114	21.6	182	3813
303540	54	59.4	118	22.5	189	4293

Austlift Aluminum type Ferrules made to DIN standard and mainly used for splicing steel Wire Rope to form an eye for Wire Rope Slings, Winch Cable etc.

- High quality Ferrules and conforms to DIN 3039.
- Aluminum hydraulic machine press type.
- Sizes from 1.5mm to 54mm.
- For turn-back Wire Rope splicing.
- Stamped with identification mark and size from 8mm onwards.

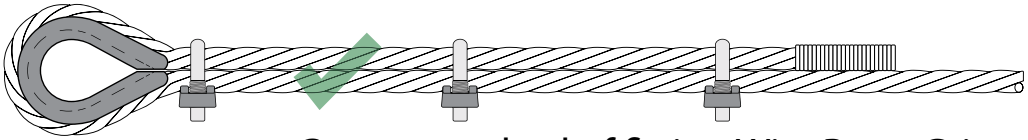


WARNING

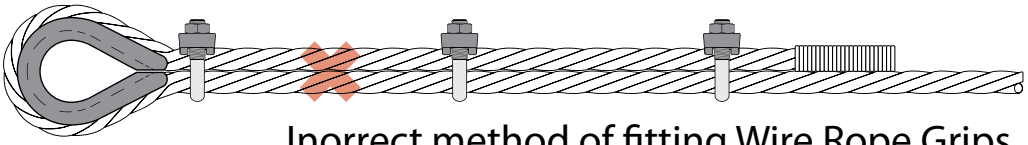
- **Failure to read, understand, and follow these instructions may cause death or serious injury.**
- **Read and understand these instructions before using Ferrules.**
- **Match the same size Ferrules to the same size Wire Rope as per chart below.**
- **Do not use with plastic coated Wire Rope. Strip plastic coating before assembly.**

FERRULES SELECTION CHART

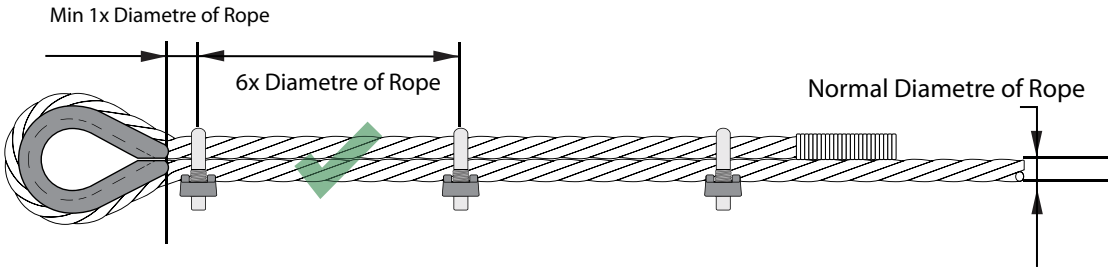
Wire Rope			Case1	Case2	Case3
Nominal diameter	Measured from	to	Single layer round strand with fibre core & cable laid rope.	Single layer round strand ropes with wire core & non-rotating rope	Single layer round strand ropes with wire core non-rotating rope & parallel closed rope.
mm	mm	mm			
2.5	2.5	2.7	2.5	3	-
3	2.8	3.2	3	3.5	-
3.5	3.3	3.7	3.5	4	-
4	3.8	4.3	4	4.5	-
4.4	4.4	4.8	4.5	5	-
5	4.9	5.4	5	6	-
6	5.5	5.9	6	6.5	-
6	6	6.4			7
6.5	6.5	6.9	6.5	7	8
7	7	7.4	7	8	9
8	7.5	7.9	8	9	9
8	8	8.4			10
9	8.5	8.9	9	10	10
9	9	9.5			11
10	9.6	9.9	10	11	11
10	10	10.5			12
11	10.6	10.9	11	12	12
11	11	11.6			13
12	11.7	11.9	12	13	13
12	12	12.6			14
13	12.7	12.9	13	14	14
13	13	13.7			16
14	13.8	13.9	14	16	16
14	14	14.7			18
16	14.8	15.9	16	18	18
16	16	16.8			20
18	16.9	17.9	18	20	20
18	18	18.9			22
20	19	19.9	20	22	22
20	20	21			24
22	21.1	21.9	22	24	24
22	22	23.1			26
24	23.2	23.9	24	26	26
24	24	25.2			28



Correct method of fitting Wire Rope Grips

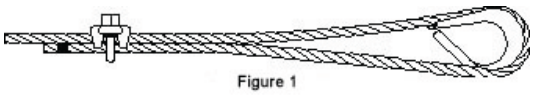
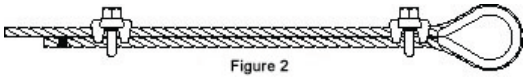
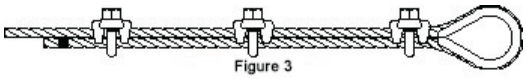
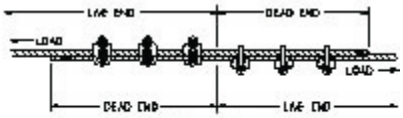


Inorrect method of fitting Wire Rope Grips



ATTACHMENT OF WIRE-ROPE GRIPS			
Nominal size of wire-rope grip (mm)	Nominal size of thread of bolt or stud(mm)	Minimum number of wire-rope grips	Tightening torque N.m
8	8	3	6
10	10	3	16
12	12	3	24
14	12	4	35
16	16	4	50
18	16	4	65
22	16	4	100
26	20	5	135
28	20	5	160
32	20	6	210
36	24	6	275
40	24	6	365
44	28	8	See Note 2
52	32	8	
56	32	8	
60	32	9	
64	32	9	
70	32	10	
75	38	10	

ATTACHMENT OF WIRE-ROPE GRIPS

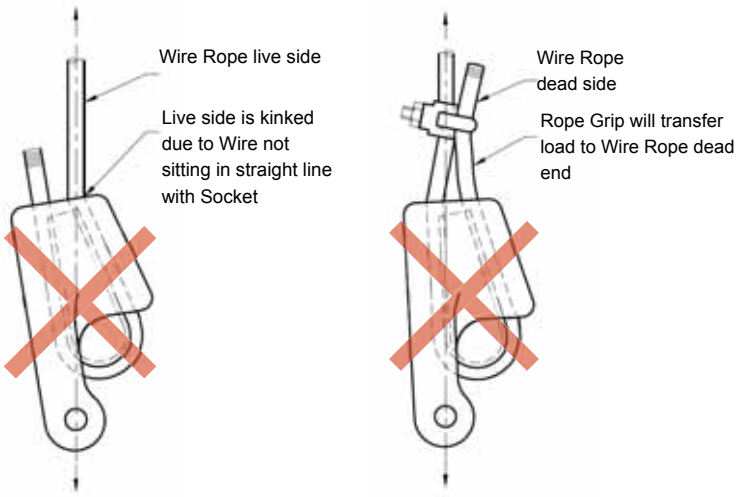
Refer to Table 1 in following these instructions. Turn back specified amount of rope from Thimble or loop. Apply first clip one base width from dead end of rope. Apply U-Bolt over dead end of Wire Rope – live end rests in saddle (Never saddle a dead horse!) Use torque wrench to tighten evenly, alternate from one nut to the other until reaching the recommended torque	 Figure 1
When two clips are required, apply the second clip as near the loop or Thimble as possible. Use torque wrench to tighten evenly, alternating until reaching the recommended torque. When more than two clips are required, apply the second clip as near the loop or Thimble as possible, turn nuts on second clip firmly, but do not tighten. Proceed to Step 3	 Figure 2
When three or more clips are required, space additional clips equally between first two - take up rope slack - use torque wrench to tighten on each U-Bolt evenly, alternating from one nut to the other until reaching recommended torque.	 Figure 3
The preferred method of splicing two Wire Ropes together is to use interlocking turn back eyes with Thimbles, using the recommended number of clips on each eye (See Figure 5). An alternate method is to use twice the number of clips as used for a turn back termination. The rope ends are placed parallel to each other, overlapping by twice the turn back amount shown in the application instructions. The minimum number of clips should be installed on each dead end (See Figure 6). Spacing, installation torque, and other instructions still apply	Figure 5  Figure 6

IMPORTANT

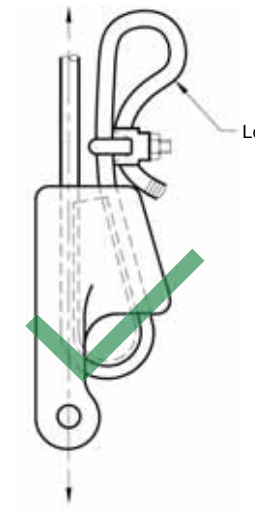
Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next, check and use torque wrench to retighten to recommended torque. In accordance with good rigging and maintenance practices, the Wire Rope end termination should be inspected periodically for wear, abuse, and general adequacy.

WEDGED SOCKET INFORMATION

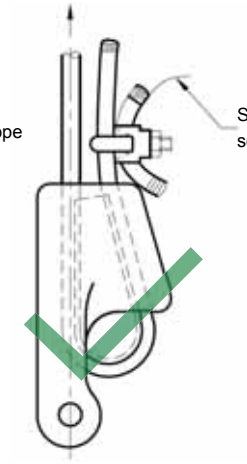
WARNING **Incorrect methods for fitting Wedge Sockets to Wire Ropes**


Wire Rope live side
Live side is kinked due to Wire not sitting in straight line with Socket
Wire Rope dead side
Rope Grip will transfer load to Wire Rope dead end

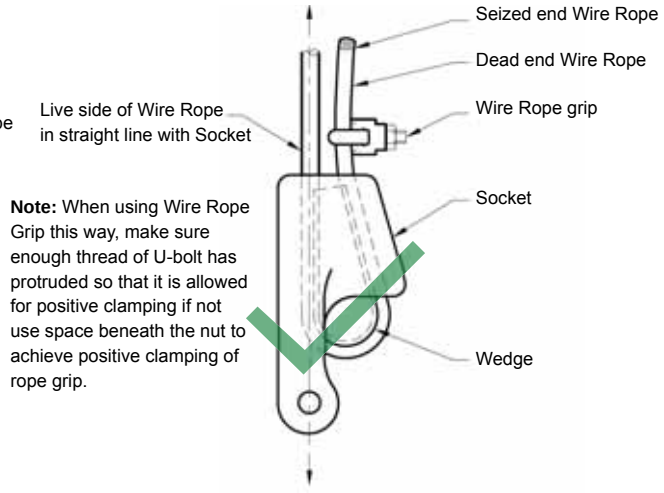
Wedge Socket Safety Installation



Using loop method



Using short piece of Wire Rope method



Note: When using Wire Rope Grip this way, make sure enough thread of U-bolt has protruded so that it is allowed for positive clamping if not use space beneath the nut to achieve positive clamping of rope grip.

Directly on rope method

Safety Information For Wedge Socket

Inspection/Maintenance Safety

- Always inspect Socket, Wedge and Pin before operation.
- Do not use part if displaying cracks, nicks or gouges or any other visible damage.
- Do not use modified or substitute parts. Only use Austlift genuine parts.
- Repair minor nicks or gouges to Socket or Pin by lightly filling until surfaces are smooth.
- Do not reduce original dimension more than 10%. Do not repair by welding any part of Wedge Socket.
- Inspect permanent assemblies periodically, or more often in severe operating conditions.
- Do not mix and match Wedges or Pins between models or sizes always use the same brands.
- Always select the proper Wedge and Socket for the Wire Rope size.

Operating Safety

- Apply first load to fully seat the Wedge and Wire Rope in the Socket, ensure the load is equal or greater weight than loads expected in use.
- Efficiency rating of the Wedge Socket termination is based upon the catalog breaking strength of Wire Rope. The efficiency of a properly assembled Wedge Socket is 80%.
- During use, do not damage the dead end section with any other elements of the rigging equipment.

WARNING

- **Loads may slip or fall if the Wedge Socket is not properly installed.**
- **A falling load can seriously injure or kill personnel.**
- **Read and understand these instructions before installing the Wedge Socket.**
- **Do not side load the Wedge Socket in any way.**
- **Apply first load to fully seat the Wedge and Wire Rope in the Socket. This load should be of equal or greater weight than loads expected in use.**

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AUSTRALIAN LIFTING CENTRE PTY LTD

TURN BUCKLES

AUSTLIFT®

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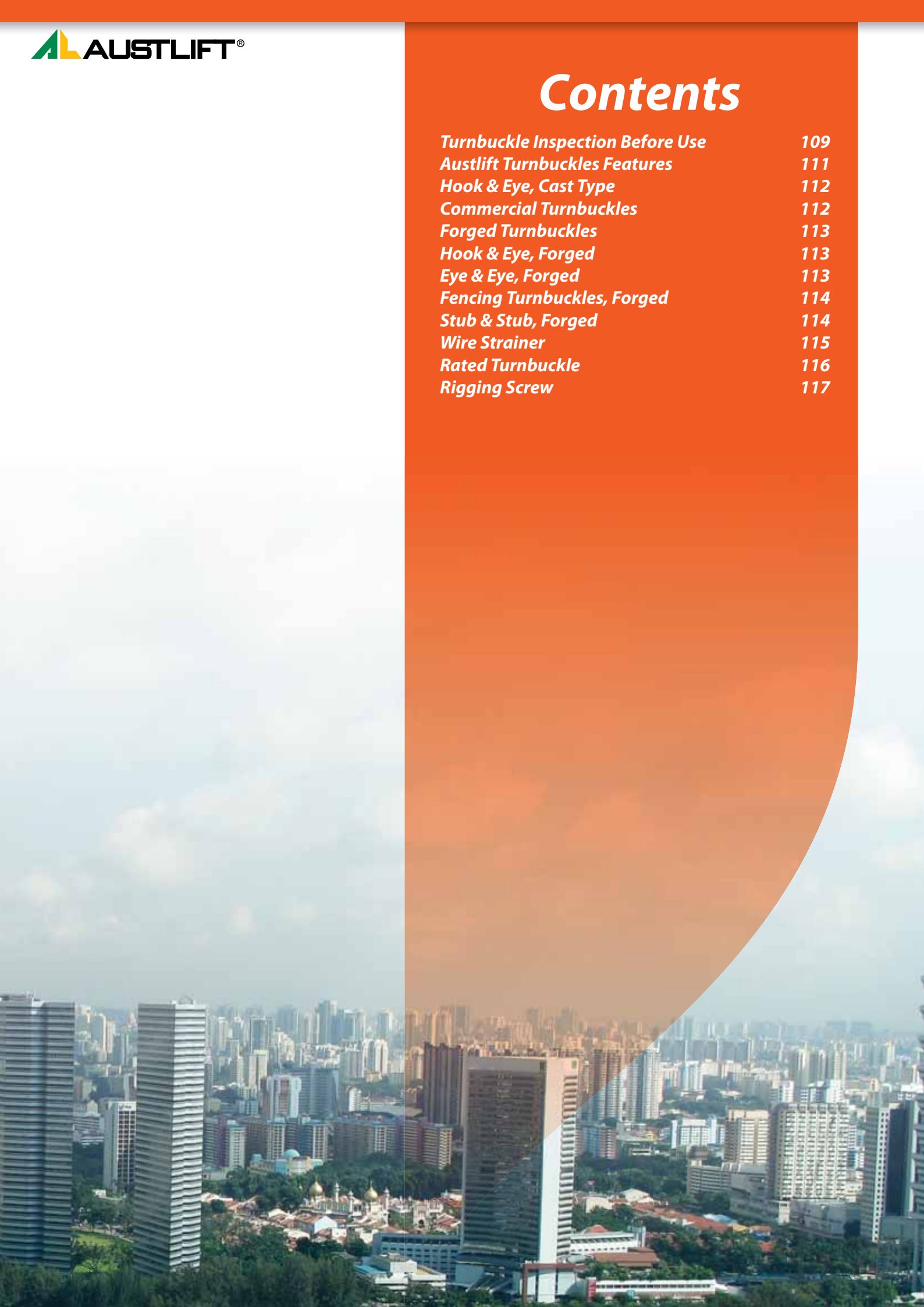
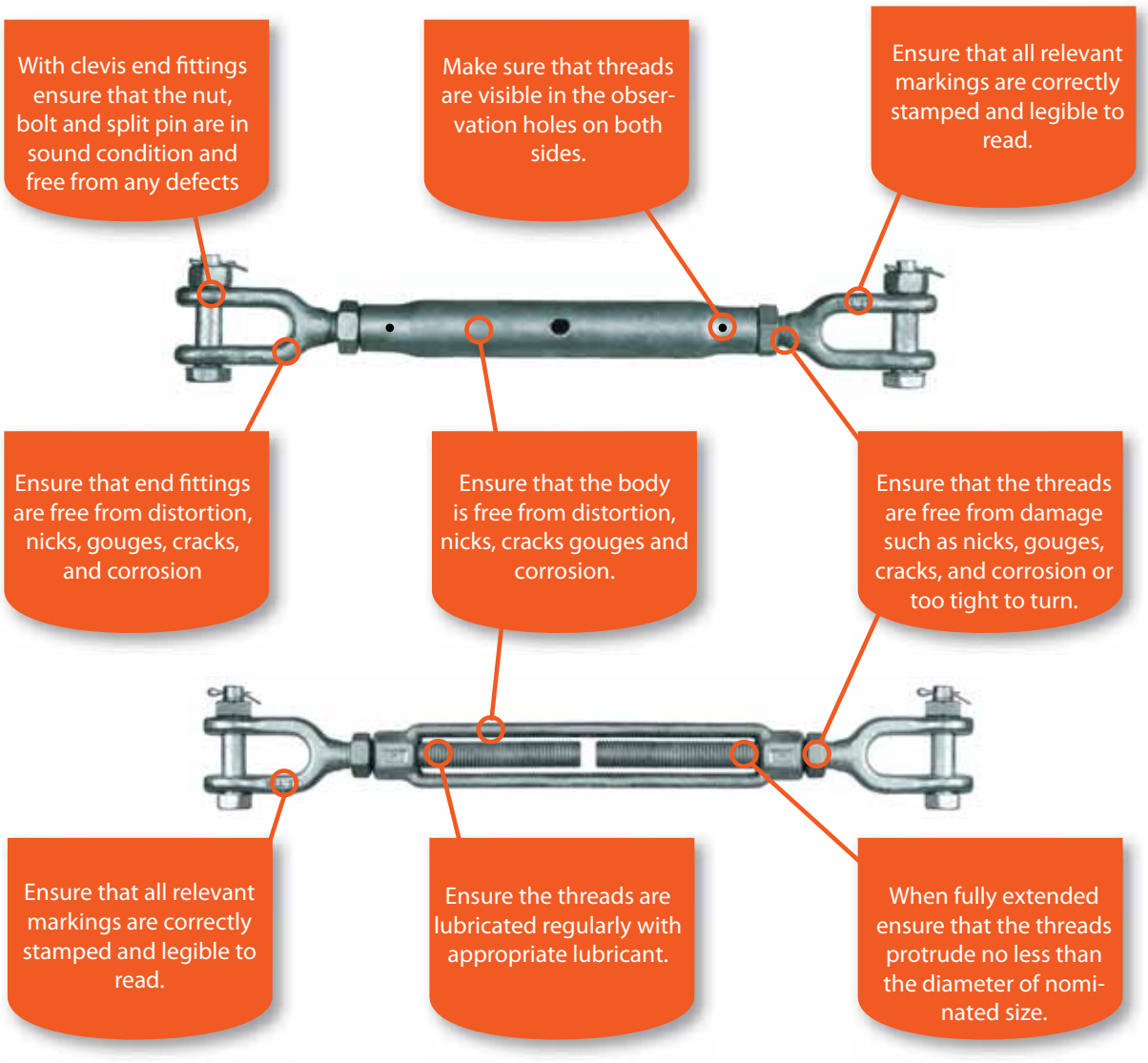
Contents

Turnbuckle Inspection Before Use	109
Austlift Turnbuckles Features	111
Hook & Eye, Cast Type	112
Commercial Turnbuckles	112
Forged Turnbuckles	113
Hook & Eye, Forged	113
Eye & Eye, Forged	113
Fencing Turnbuckles, Forged	114
Stub & Stub, Forged	114
Wire Strainer	115
Rated Turnbuckle	116
Rigging Screw	117

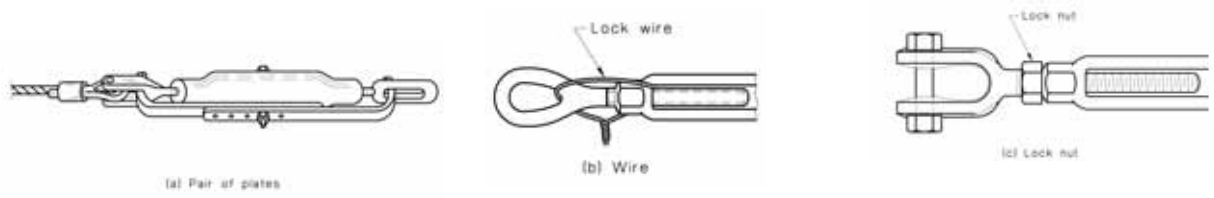


WARNING

It is recommend that a competent person conduct the above checking of Turnbuckles & Rigging Screws and withdraw from service, if any of the above defects are found and cannot be rectified.


With clevis end fittings ensure that the nut, bolt and split pin are in sound condition and free from any defects
Make sure that threads are visible in the observation holes on both sides.
Ensure that all relevant markings are correctly stamped and legible to read.
Ensure that end fittings are free from distortion, nicks, gouges, cracks, and corrosion
Ensure that the body is free from distortion, nicks, cracks gouges and corrosion.
Ensure that the threads are free from damage such as nicks, gouges, cracks, and corrosion or too tight to turn.
Ensure that all relevant markings are correctly stamped and legible to read.
Ensure the threads are lubricated regularly with appropriate lubricant.
When fully extended ensure that the threads protrude no less than the diameter of nominated size.

Recommended Turnbuckle locking methods



GENERAL

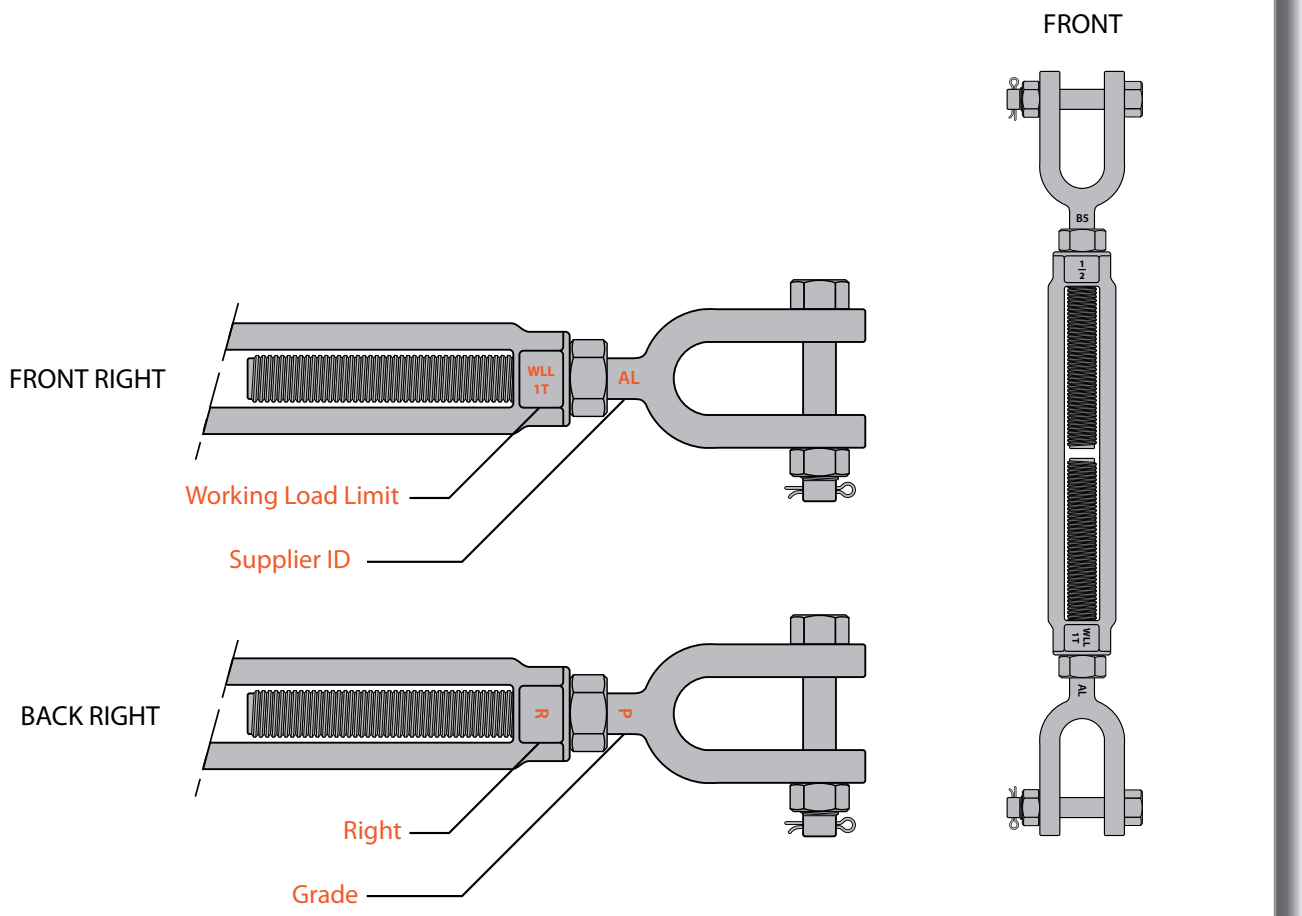
Turnbuckles & Rigging Screws are used in lifting, tensioning and staying systems to make adjustment to the length of the systems.

TYPES

Non-rated Commercial Turnbuckles generally have combinations on end fittings such as eye & eye, hook & eye, stub & stub and hook & hook to tension commercial fittings, Wire Rope assemblies and alike, also available are special purpose buckles for the fencing industries. The most common buckles are made from cast or forged steel in galvanized finish therefore under any circumstance are not to be used for lifting and/or high tension applications.
Rated Rigging Screws generally have elongated eyes or clevis end fittings for connection to Shackles, Wire Rope assembles, Anchor Points and the like. Rigging Screw bodies are formed from tubular sections of steel and can have an almost infinite size range and length adjustment. Size and adjustment of Rigging Screws is limited by the available end fittings. The tubular body provides a reservoir for lubricates such as grease which gives the screw an advantage in corrosive applications.
Rated Turnbuckles have the same applications as Rigging Screws, but have a generally smaller size range and shorter adjustment. The advantages of a Turnbuckle is they have a greater ability to be tightened under load as well as providing means for locking while in service.

CARE & USE

1. Make sure that the correct Turnbuckle or Rigging Screw is selected for intended use and application.
2. Where components are connected to Turnbuckle or Rigging Screw ensure they do not bind and freely articulate so that the system can sit in a straight line when tension is applied .
3. When tensioning the body of a Turnbuckle or Rigging Screw ensure that both end terminals and fittings do not rotate .
4. Do not tension Turnbuckles or Rigging Screws beyond the specified rating especially smaller sizes.
5. Turnbuckles and Rigging Screws are not designed for continuous adjustment under rated load conditions therefore wear on the threads should be considered if used in this way.
6. Locknuts, fitted to the ends of the body, are a method of locking, but may not provide positive or reliable locking under all circumstances therefore should inspected regularly.
7. High temperatures affect the WLL of the Turnbuckle and Rigging Screw therefore the working load limit should be reduced by 0-200C no reduction, 10% for temperatures between 200-300C, 25% for temperatures between 300-400C, Do not use if for temperatures over 400C. Extremely low temperature applications may present a high risk of failer while loaded below the WLL.
8. Threads should be protected from corrosion by affective means.
9. Turnbuckles and Rigging Screws should be inspected periodically by a competent person


FRONT
FRONT RIGHT
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WLL
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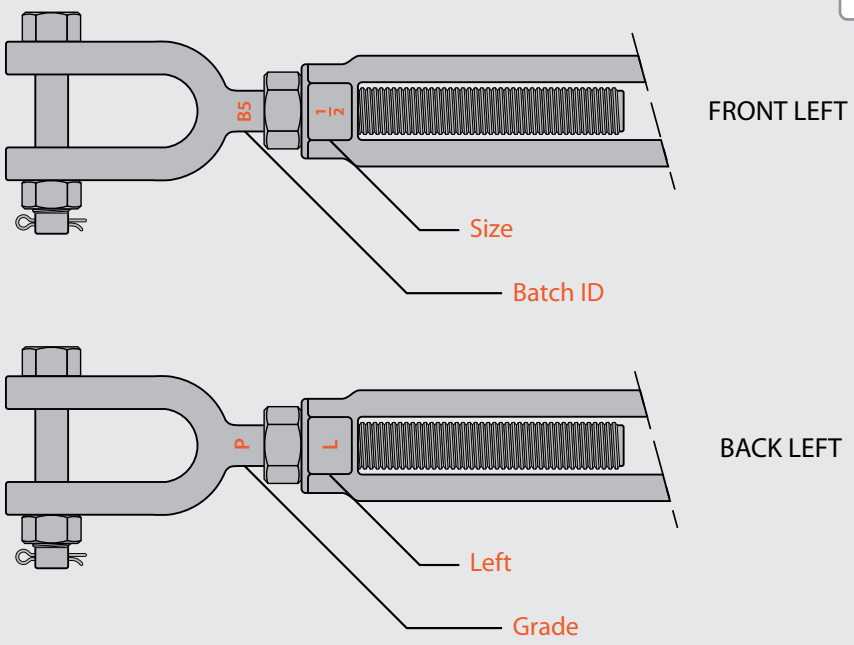
AL

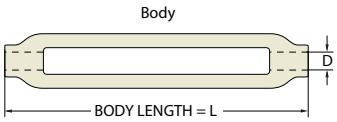

B5
1/2
FRONT LEFT
Size
Batch ID
P
L
BACK LEFT
Left
Grade

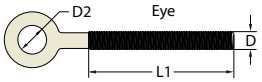
COMMERCIAL TURNBUCKLES

WARNING **NOT FOR LIFTING APPLICATIONS**

Eye & Eye, Cast Type

- Used in conjunction with Wire Rope assemblies etc for light duty tensioning applications.
- Manufactured from malleable cast steel in zinc plated finish
- Eye and eye end fittings for intended applications.
- Sizes available from 5mm to 25mm.
- NOT FOR LIFTING APPLICATIONS

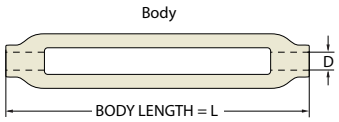


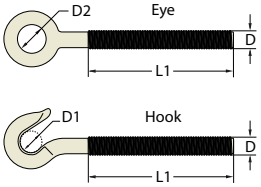


CODE	SIZE	Wt.	DIMENSIONS			
	mm	kg/pc	L mm	L1 mm	D mm	D2 mm
401005	5	0.048	70	32	5	8
401006	6	0.067	80	35	6	9
401008	8	0.13	105	50	8	11
401010	10	0.23	130	62	10	16
401012	12	0.35	140	65	12	18
401016	16	0.90	178	88	16	24
401020	20	1.43	215	110	20	28
401022	22	2.10	240	120	22	32
401025	25	2.62	255	135	25	36

Hook & Eye, Cast Type

- Used in conjunction with Wire Rope assemblies etc for light duty tensioning applications.
- Manufactured from malleable cast steel in zinc plated finish
- Hook and eye end fittings for intended applications.
- Sizes available from 5mm to 24mm.
- NOT FOR LIFTING APPLICATIONS.





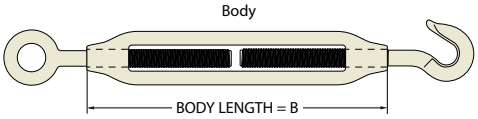
CODE	SIZE	Wt.	DIMENSIONS				
	mm	kg/pc	D mm	D1 mm	D2 mm	L mm	L1 mm
402005	5	0.034	5	7	8	70	32
402006	6	0.052	6	8	9	80	35
402008	8	0.098	8	10	11	105	50
402010	10	0.226	10	16	16	130	62
402012	12	0.338	12	18	18	140	65
402016	16	0.898	16	24	24	178	88
402020	20	1.595	20	28	28	215	110
402022	22	2.18	22	32	32	240	120
402025	24	2.8	24	36	36	255	135

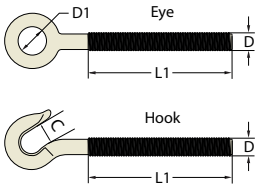
NOT FOR LIFTING APPLICATIONS

Hook & Eye, Forged

- Suitable for outdoor use in conjunction with Wire Rope assemblies etc for heavy duty tensioning applications.
- Manufactured from forged steel in hot dipped galvanized finish
- Hook and eye end fittings for intended applications.
- Sizes available from 6mm to 32mm.
- NOT FOR LIFTING APPLICATIONS

Hook & Eye



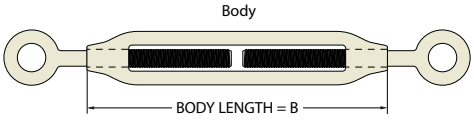


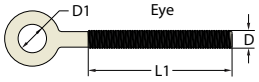
CODE	SIZE	Wt.	DIMENSIONS				
	mm	kg/pc	B mm	D mm	D1 mm	C mm	L1 mm
403006	6	0.1	100	6	11	8	48
403008	8	0.18	125	8	14	10	58
403010	10	0.31	150	10	18	13	70
403012	12	0.55	200	12	19	14	95
403016	16	1.1	250	16	24	18	105
403020	20	1.94	300	20	26.5	22	130
403022	22	2.64	330	22	34	24	165
403025	25	4	350	25	37	26	190
403028	28	6	350	28	38	29	160
403032	32	10	400	32	38	33	200

Eye & Eye, Forged

- Suitable for outdoor use in conjunction with Wire Rope assemblies etc for heavy duty tensioning applications.
- Manufactured from forged steel in hot dipped galvanized finish
- Eye and eye end fittings for intended applications.
- Sizes available from 6mm to 28mm.
- NOT FOR LIFTING APPLICATIONS

Eye & Eye



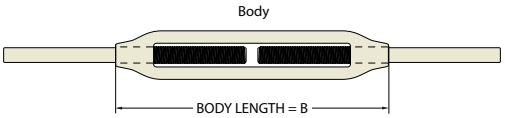


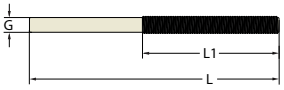
CODE	SIZE	Wt.	DIMENSIONS			
	mm	kg/pc	B mm	D mm	D1 mm	L1 mm
404006	6	0.1	100	6	11	48
404008	8	0.18	125	8	14	58
404010	10	0.31	150	10	18	70
404012	12	0.55	200	12	19	95
404016	16	1.1	250	16	24	105
404020	20	1.94	300	20	26.5	130
404022	22	2.64	330	22	34	165
404025	25	4	350	24	37	190
404028	28	6	350	27	38	160

WARNING **NOT FOR LIFTING APPLICATIONS**

Stub & Stub, Forged

- Stub ends allow the flexibility to be welded and customize complicated systems.
- Manufactured from heavy duty forged steel body in hot dipped galvanized finish.
- Available in zinc or black finish stub ends.
- Sizes available from 10mm to 32mm.
- NOT FOR LIFTING APPLICATIONS





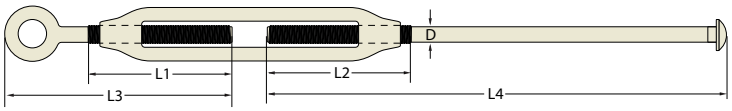
*Maximum adjustment = B-2A

CODE		SIZE	Wt.	DIMENSIONS			
ZINC	BLACK	mm	kg/pc	B mm	D mm	L mm	L1 mm
405010	405010B	10	0.31	150	8.9	130	75
405012	-	12	0.55	200	10.68	150	100
405016	-	16	1.1	250	14.5	180	125
405020	-	20	1.94	300	18.1	220	150
405022	405022B	22	3	330	20.1	250	165
405025	405025B	25	4	350	21.7	270	175
405028	405028B	28	5.5	350	25.8	290	190
405032	-	32	7	400	28.85	300	200

WARNING **NOT FOR LIFTING APPLICATIONS**

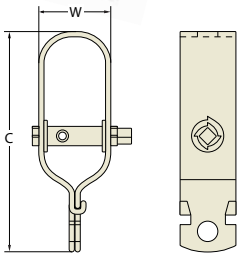
Fencing Turnbuckles, Forged

- Suitable for outdoor use in conjunction with fence posts etc for heavy duty tensioning applications.
- Manufactured from forged steel in hot dipped galvanized finish in cup head bolt and eye end fittings for intended applications.
- NOT FOR LIFTING APPLICATIONS



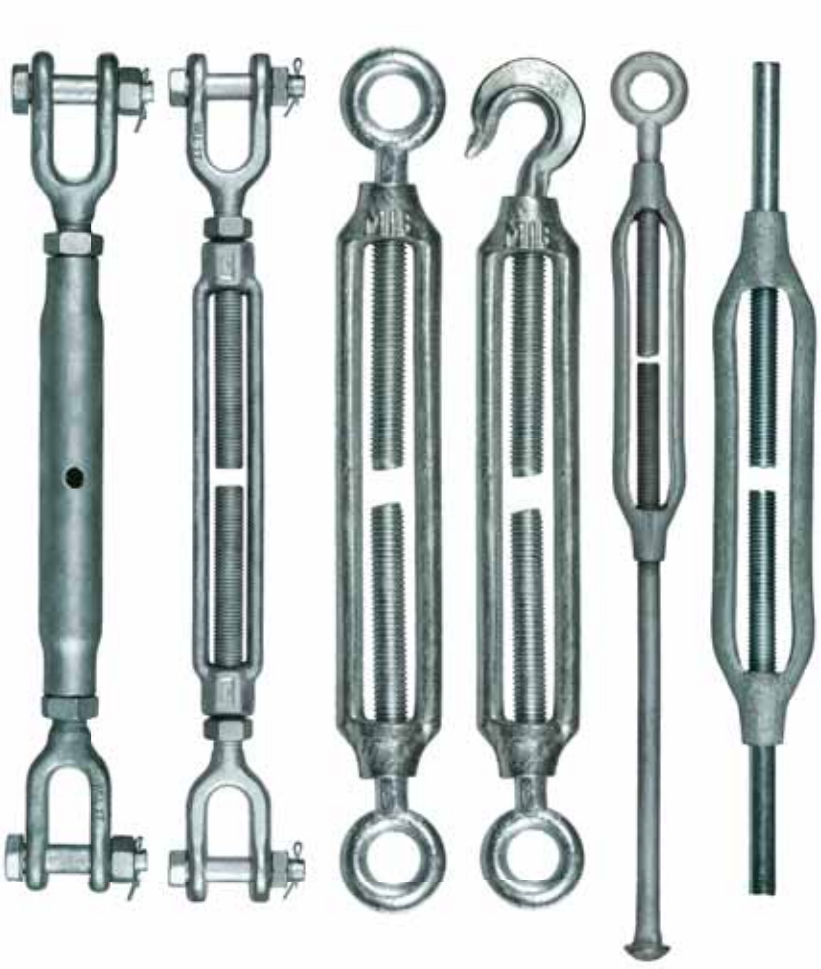
CODE	SIZE	Wt.	DIMENSIONS			
	mm	kg/pc	L1 mm	L2 mm	L3 mm	L4 mm
405035	16	1.3	120	130	190	370

Self locking teeth on both sides of frame for firm & quick straining
Hot dip galvanized for outdoor application.
NOT FOR LIFTING APPLICATIONS.



CODE	Wire Rope SIZE	Wt.	DIMENSIONS	
	mm	kg/pc	B (mm)	L (mm)
405040*	6	0.2	42	127

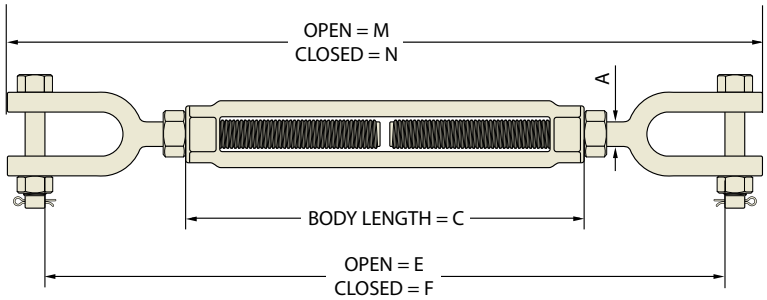
*Deleted stock line available until sold out.

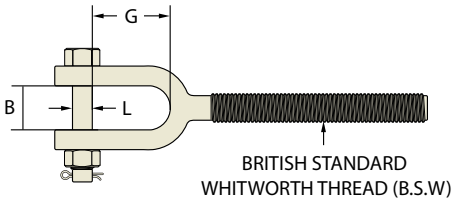


When you choose Austlift™
You choose quality.

Jaw/Jaw

- Generally used for straight or in line tensioning in conjunction with Wire Rope and or Chain assemblies when heavy duty straining and lifting applications are required.
- Manufactured from **Grade P** high tensile material quenched and tempered hot dipped galvanized finish suitable for outdoor use available in imperial sizing and jaw end fittings with Lock Nuts.
- Meets the design requirements of : Federal Specifications FF-T-791 Type1 Form1 Class
- Proof tested to 2 x WLL and Minimum Break Force is 5 x WLL
- Test certificates available upon request
- Suitable for industrial lifting purposes.

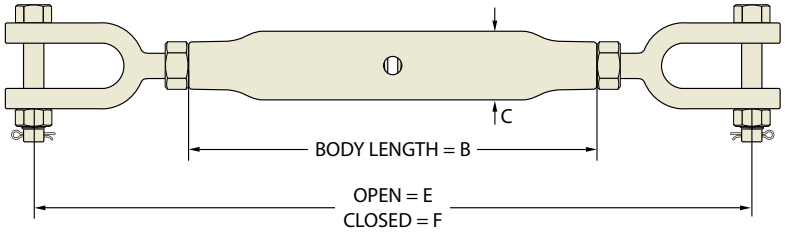


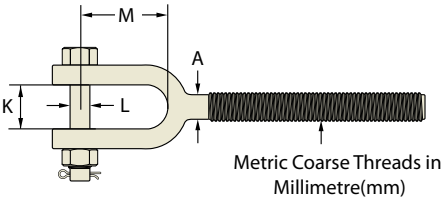


Note: Maximum adjustment = B - 2A

CODE	SIZE	WLL	Wt.	DIMENSIONS								
	mm,inch	T	kg/pc	A mm	B mm	C mm	E mm	F mm	G mm	M mm	N mm	L mm
406010	10, 3/8″	0.54	0.37	9.65	12.7	152	410	258	22.1	441	289	8
406012	12,1/2″	1	0.71	12.7	16	152	470	292	26.9	508	330	10
406016	16,5/8″	1.59	1.56	16	19	229	662	401	33.3	715	454	13
406020	20,3/4″	2.36	2.98	19.1	23.4	305	851	508	38.1	917	574	16
406022	22,7/8″	3.27	3.71	22.4	28.7	305	892	543	44.5	967	618	19
406025	25,1″	4.54	5.53	25.4	30	305	933	577	52.5	1018	662	22.5
406032	32,1″1/4	6.89	9.36	31.8	44.5	305	1012	644	71.5	1119	750	28
406038	38,1″1/2	9.71	13.9	38.1	52	305	1054	673	71.5	1181	800	35
406045	45,1″3/4	12.7	24.5	44.5	60	457	1356	899	86	1503	1046	41
406051	51, 2″	16.8	42.8	51	63.5	610	1766	1157	93.5	1949	1339	50.8
406064	64, 2″1/2	27.2	75	63.5	73	610	1854	1244	113	2087	1478	57

- Generally used for straight or in line tensioning in conjunction with Wire Rope and or Chain assemblies when heavy duty straining and lifting applications are required.
- Manufactured from **Grade P** high tensile material quenched and tempered hot dipped galvanized finish suitable for outdoor use available in metric sizing and jaw end fittings with lock nuts.
- Meets the design requirements of AS2319 Proof tested to 2 x WLL and Minimum Break Force is 6 x WLL
- Test certificates available upon request.
- Suitable for industrial lifting purposes.





Note: Maximum adjustment = B - 2A

CODE	SIZE	WLL	Wt.	DIMENSIONS							
	mm	T	kg/pc	A mm	B mm	C mm	E mm	F mm	K mm	M mm	L mm
407010	10	0.6	0.37	10	152	21	349	235	11	21	8
407012	12	1	0.90	12	229	25	524	343	19	35	10
407016	16	1.6	1.82	16	229	27	550	361	22	51	12
407020	20	2.5	3.25	20	229	34	550	387	22	48	16
407024	24	4	4.81	24	356	42	822	556	32	65	22
407027	27	5	7.40	27	356	45	822	559	32	65	22
407033	33	8	17.5	33	381	51	872	604	38	76	24
407039	39	10	32	39	407	57	949	670	47	90	32
407048	48	16	56	48	407	76	977	743	51	121	42

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47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH
Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE
7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

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AUSTRALIAN LIFTING CENTRE PTY LTD

SHACKLES

AUSTLIFT®

1300 100 120

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Contents

Shackle Inspection Before Use	122
Commercial Galvanised Bow Shackle	123
Commercial Galvanised Dee Shackle	123
Grade M Shackle	124
Special Purpose Shackle	124
Grade 'S' Shackle, Dee Type, Gold Screw Pin	125
Grade 'S' Shackle, Bow Type, Gold Screw Pin	125
Grade 'S' Shackle, Dee Type, Gold Safety Pin	126
Grade 'S' Shackle, Bow Type, Gold Safety Pin	127

General

Shackles are used in lifting static systems as detachable connecting links for Chain, lifting devices, Wire Rope and other fittings.

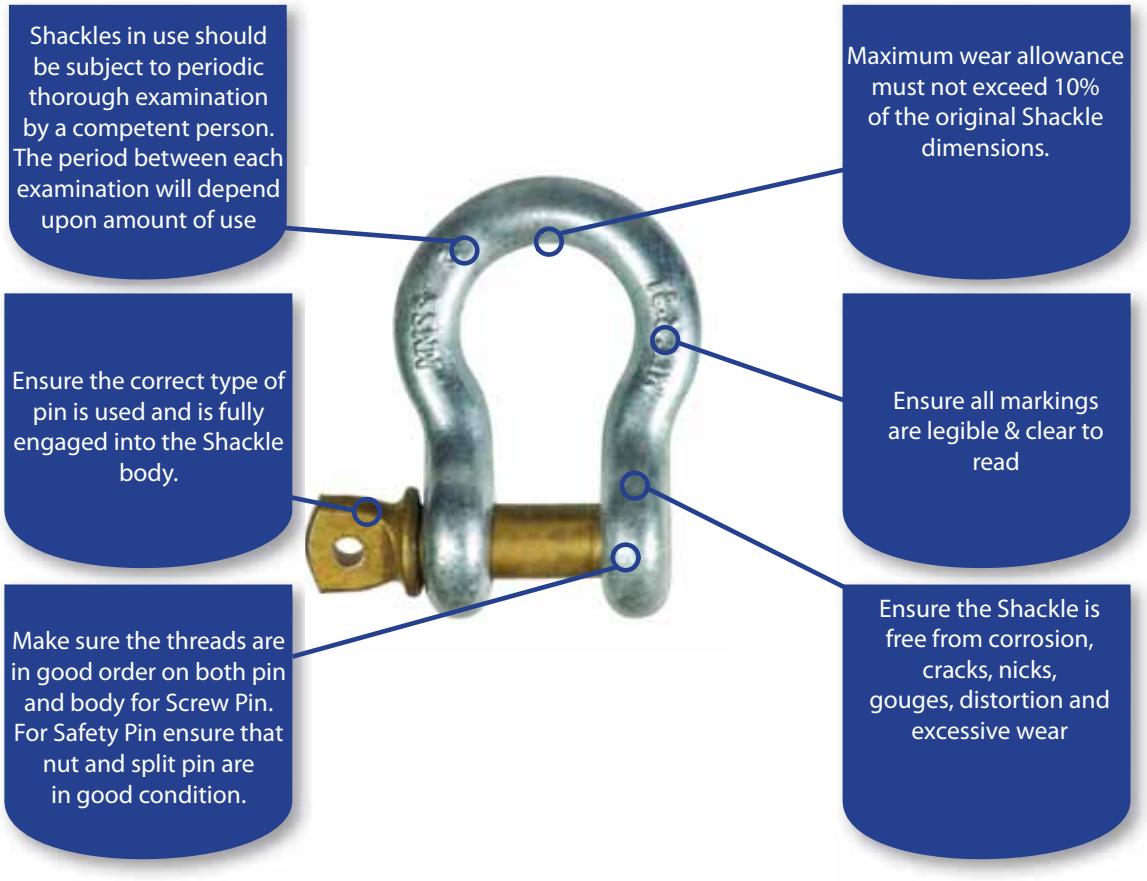
Shackle Types

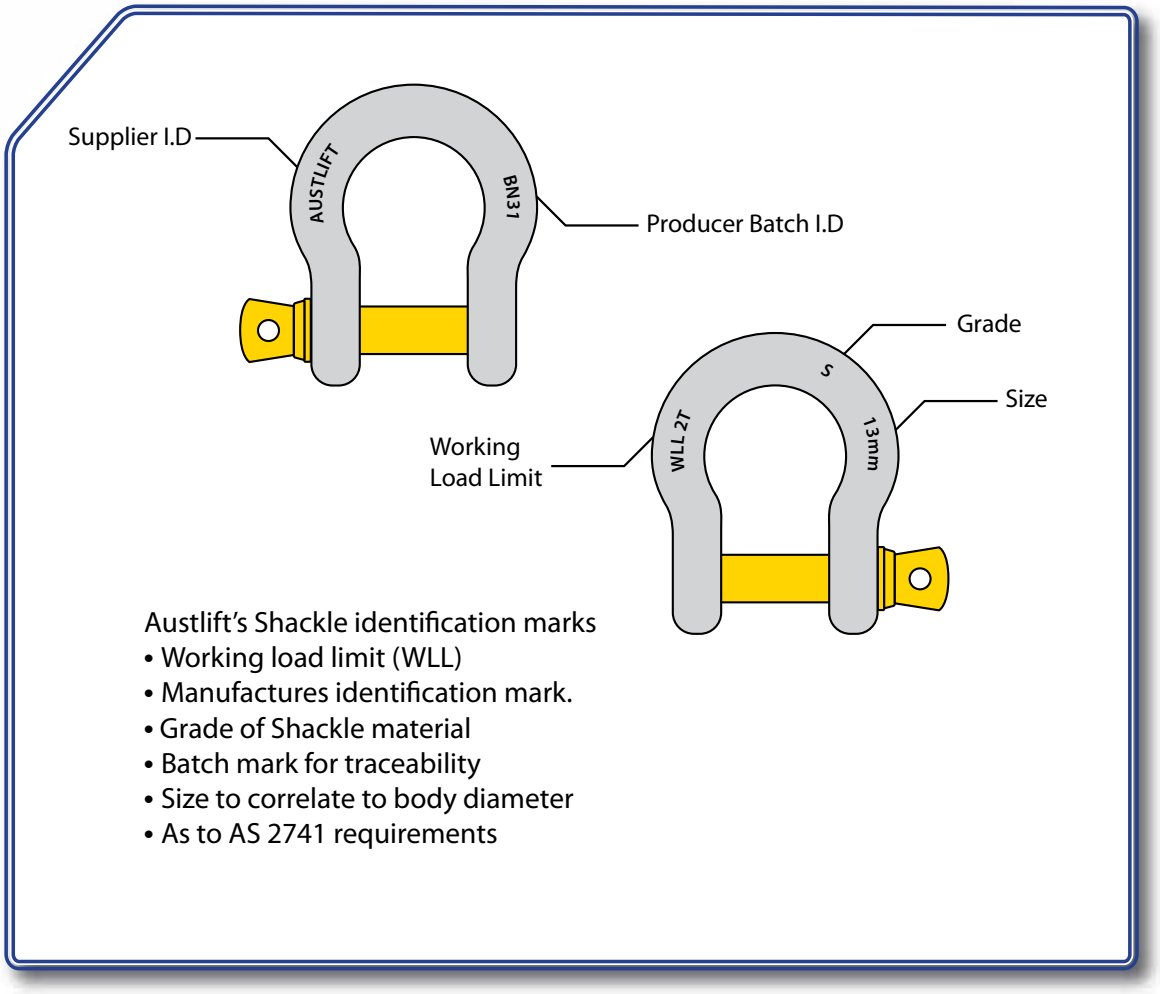
The most common types of Shackle is Grade M Large Dee and Grade S Dee and Bow encountered in the general lifting industries.
Most common Grade S Shackle Pins come in Safety Pin and Screw Pin although there are other types of pin configurations available. For non-permanent applications Screw Pin Shackles are generally used where as a Safety Pin Shackle is recommended for long-term uses where the pin of the Safety Shackle may rotate during loading.

Care & Use

1. When using a Screw Pin Shackle ensure that the pin is firmly screwed into the Shackle eye and that the pin collar is fully seated onto the Shackle eye.
2. Check that the pin is of the correct length so that the thread is fully engaged in the screwed eye and allows the collar of the pin to be fully seated on the surface of the Shackle eye.
3. If you find that the Shackle pin does not seat properly, this is an indication that the pin may be bent, the mating thread is incorrect or the pin holes are not aligned correctly.
4. The original Shackle pin is specially designed for the WLL of the Shackle, therefore, never replace it with a bolt as the bolt may not be suited to the WLL of the Shackle.
5. With a Safety Pin Shackle never use it unless the nut is fully secured and split pin in place.
6. Make sure the correct Shackle is selected for the intended use and application. Never allow a Shackle to be loaded along its centre line. Shackles should never be loaded in a manner that will cause bending of the body.
7. Ensure the load is on the centre of the pin this can be achieved by placing loose spacers on either side of the Shackle pin or use a smaller jaw width Shackle of a similar load rated capacity.
8. Make sure the correct calculations are used to ensure the correct load capacity for angular loading of the Shackle.
9. High temperatures affect the WLL of the Shackle therefore the working load limit should be reduced by
   - 10% for temperatures between 200 & 300'C,
   - 25% for temperatures between 300 & 400'C Grade S Shackles should never be used at all for temperatures above 400'C.
10. Never attempt to weld or apply heat to Shackles

SHACKLE INSPECTION BEFORE USE


Shackles in use should be subject to periodic thorough examination by a competent person. The period between each examination will depend upon amount of use
Maximum wear allowance must not exceed 10% of the original Shackle dimensions.
Ensure the correct type of pin is used and is fully engaged into the Shackle body.
Ensure all markings are legible & clear to read
Make sure the threads are in good order on both pin and body for Screw Pin. For Safety Pin ensure that nut and split pin are in good condition.
Ensure the Shackle is free from corrosion, cracks, nicks, gouges, distortion and excessive wear



Austlift's Shackle identification marks

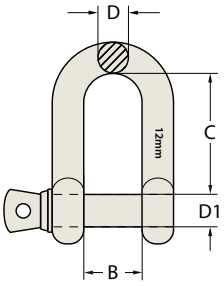
- Working load limit (WLL)
- Manufactures identification mark.
- Grade of Shackle material
- Batch mark for traceability
- Size to correlate to body diameter
- As to AS 2741 requirements

Commercial Galvanised Dee Shackle

WARNING **NOT FOR LIFTING APPLICATIONS**

Austlift commercial Grade Large Dee Shackles have been used in domestic, mining and any other industrial applications.

- Shaped in a Dee pattern, they come with Screw Pin, made from mild steel material in hot dipped galvanized.
- NOT FOR LIFTING APPLICATIONS.



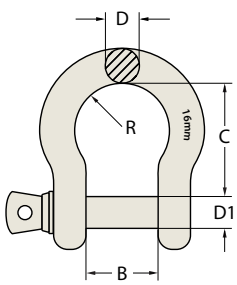
CODE	SIZE	WEIGHT	B	D	D1	C
№	mm	kg	mm	mm	mm	mm
501005	5	0.015	10	5	5	19
501006	6	0.025	12	6	6	24
501008	8	0.054	16	8	8	32
501010	10	0.109	20	10	10	40
501012	12	0.205	25	12	12	48
501016	16	0.48	32	16	16	64
501020	20	0.815	38	20	20	76
501022	22	1.285	44	22	22	85
501025	25	1.866	25	25	24	95

Commercial Galvanised Bow Shackle

WARNING **NOT FOR LIFTING APPLICATIONS**

Austlift commercial Grade Large Bow Shackles have been used in domestic, mining and any other industrial applications.

- Shaped in a Bow pattern, they come with Screw Pin, made from mild steel material in hot dipped galvanized.
- NOT FOR LIFTING APPLICATIONS.



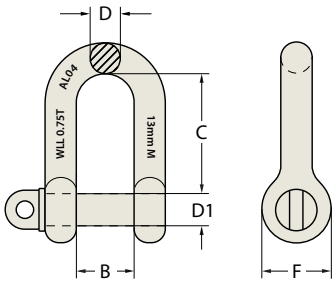
CODE	SIZE	WEIGHT	DIMENSIONS				
			B	D	D1	C	2R
№	mm	kg	mm	mm	mm	mm	mm
501505	5	0.0143	10	5	5	19.5	15
501506	6	0.026	12	6	6	24	18
501508	8	0.054	16	8	8	32	24
501510	10	0.118	20	10	10	40	30
501512	12	0.225	25	12	12	49	36
501516	16	0.51	32	16	16	64	48
501520	20	0.86	38	19	20	80	60
501522	22	1.35	44	22	22	85	66
501525	25	2.05	50	25	24	100	75

Grade M Shackle

Galvanised Self colour

Austlift Grade M Dee Shackle are used where larger dimensional Shackle is required for specific applications. Also ideal for the Marine, Agricultural & general industrial uses.

- Grade M Shackle is manufactured to comply in accordance with Australian standard AS2741.
- Made from Grade 40 alloy steel larger Dee shape with Screw Pin available in black or hot dipped galvanized finish.
- Suitable for lifting applications.

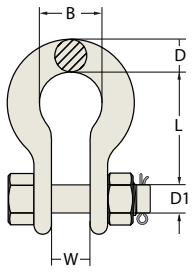


CODE		SIZE	WLL	WEIGHT	DIMENSIONS				
№ Galvanised	№ Black	mm	T	kg	B mm	C mm	D mm	D1 mm	F mm
502006	502506	6	0.25	0.062	13	25	6	10	19
502010	502510	10	0.5	0.164	19	38	10	13	25
502013	502513	13	0.75	0.353	28	54	13	16	32
502016	502516	16	1.5	0.66	32	63	16	19	38
502019	502519	19	2.0	1.13	38	73	19	22	44
502022	502522	22	3.0	1.53	44	83	22	25	51
502025	502525	25	3.8	2.16	51	95	25	29	57
502029	502529	29	5.0	3.07	54	105	29	32	63
502032	502532	32	6.0	4.2	60	114	32	35	70
502035	502535	35	7.0	5.83	67	127	35	38	76
502038	502538	38	9.5	7.8	70	137	38	44	89
502044	502544	44	13.0	13	83	156	44	51	102
502051	502551	51	16.0	30.2	98	187	51	57	114

Special Purpose Shackle

Austlift special purpose Shackle are generally used for electrical industries and in railway lines.

- Generally conforms to AS1154.2 made from high tensile steel in bow configuration with Safety Pin hot dipped galvanised finish & stainless steel humpback split pin
- Suitable for holding applications.

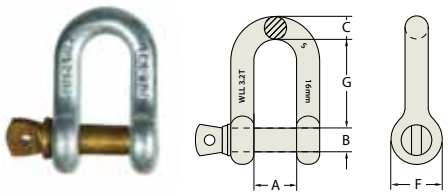


CODE	SIZE	MBF	MFL*	WEIGHT	DIMENSIONS				
№	mm	kN	kN	kg	B mm	D mm	D1 mm	L mm	W mm
505070	16	87.5	70	0.456	34	15	13	60	21

*Minimum failure load.

Grade 'S' Shackle, Dee Type, Gold Screw Pin

CODE	SIZE	WLL	Wt.	DIMENSIONS				
№	mm	T	kg	A mm	B mm	C mm	F mm	G mm
504006	6	0.5	0.05	12	8	6	17	22
504008	8	0.75	0.09	13	10	8	21	26
504010	10	1	0.14	17	11	10	25	32
504011	11	1.5	0.17	18	13	11	27	37
504013	13	2	0.29	21	16	13	33	41
504016	16	3.2	0.63	27	19	16	40	51
504019	19	4.7	1.02	32	22	19	48	60
504022	22	6.5	1.53	37	25	22	54	71
504025	25	8.5	2.41	43	29	25	60	81
504029	29	9.5	3.09	46	32	29	67	90
504032	32	12	4.31	52	35	32	76	100
504035	35	13.5	6.01	57	38	35	84	113
504038	38	17	8.03	60	44	38	92	124
504044	44	25	13.79	73	51	44	110	146
504051	51	35	20.42	83	57	51	127	171
504057	57	42.5	26.06	95	63	57	143	181
504063	63	55	38.8	105	70	63	152	203

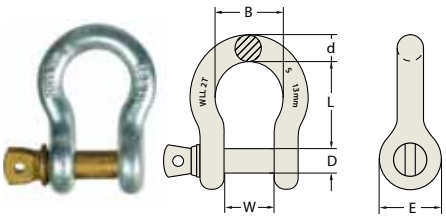


Austlift Gold Screw Pin Dee Shackles are most commonly used for lifting applications, providing connections to Chain, Wire Rope and other rated fittings within the Marine, Agricultural, Mining and Engineering Industries.

- Conforms to AS2741 manufactured from Grade "S" material in Dee configuration with Screw Pin hot dipped galvanized .Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.

Grade 'S' Shackle, Bow Type, Gold Screw Pin

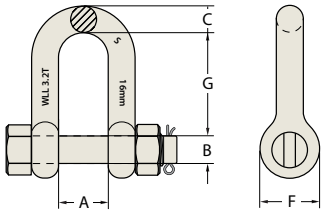
CODE	SIZE	WLL	Wt.	DIMENSIONS					
№	mm	T	kg	B mm	D mm	d mm	E mm	L mm	W mm
503005	5	0.33	0.02	15	6	5	14	22	10
503006	6	0.5	0.05	20	8	6	17	29	12
503008	8	0.75	0.09	21	10	8	21	31	13
503010	10	1	0.14	26	11	10	25	37	17
503011	11	1.5	0.17	29	13	11	27	43	18
503013	13	2	0.29	33	16	13	33	48	21
503016	16	3.2	0.63	43	19	16	40	61	27
503019	19	4.7	1.02	51	22	19	48	72	32
503022	22	6.5	1.53	58	25	22	54	84	37
503025	25	8.5	2.41	68	29	25	60	95	43
503029	29	9.5	3.09	74	32	29	67	108	46
503032	32	12	4.31	83	35	32	76	119	52
503035	35	13.5	6.01	92	38	35	84	133	57
503038	38	17	8.03	98	44	38	92	146	60
503044	44	25	13.79	127	51	44	110	178	73
503051	51	35	20.42	146	57	51	127	197	83
503057	57	42.5	26.06	160	63	57	143	222	95
503063	63	55	38.8	184	70	63	152	267	105



Austlift Gold Screw Pin Bow Shackles are most commonly used for lifting applications, providing connections to chain, Wire Rope and other rated fittings within the Marine, Agricultural ,Mining and Engineering Industries.

- Conforms to AS2741 manufactured from Grade "S" material in bow configuration with Screw Pin hot dipped galvanized .Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.

Grade 'S' Shackle, Dee Type, Gold Safety Pin



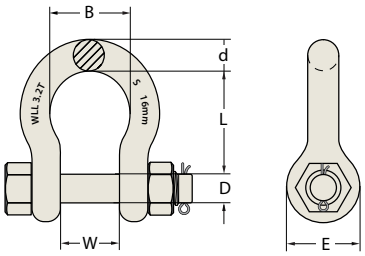
Austlift Gold Safety Pin Dee Shackle are most commonly used for lifting applications, providing more permanent connections to Chain ,Wire Rope and other rated fittings within the Marine, Agricultural, Mining and Engineering Industries. Suitable for equipment that may vibrate to ensure pin will not dislodge during use. The Safety Pin allows the pin to rotate during loading conditions .

- Conforms to AS2741 manufactured from Grade "S" material in Dee configuration with Safety Pin hot dipped galvanized .Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.

CODE	SIZE	WLL	Wt.	DIMENSIONS				
	mm	T	kg	A mm	B mm	C mm	F mm	G mm
504513	13	2	0.36	21	16	13	33	41
504516	16	3.2	0.76	27	19	16	40	51
504519	19	4.7	1.23	32	22	19	48	60
504522	22	6.5	1.79	37	25	22	54	71
504525	25	8.5	2.78	43	29	25	60	81
504529	29	9.5	3.75	46	32	29	67	90
504532	32	12	5.31	52	35	32	76	100
504535	35	13.5	6.98	57	38	35	84	113
504538	38	17	9.44	60	44	38	92	124
504544	44	25	15.39	73	51	44	110	146
504551	51	35	23.71	83	57	51	127	171
504557	57	42.5	29.01	95	63	57	143	181
504563	63	55	44.58	105	70	63	152	203

Austlift Gold Safety Pin Bow Shackle are most commonly used for lifting applications, providing more permanent connections to Chain ,Wire Rope and other rated fittings within the Marine, Agricultural ,Mining and Engineering Industries. Suitable for equipment that may vibrate to ensure pin will not dislodge during use. The Safety Pin allows the pin to rotate during loading conditions.

- Conforms to AS2741 manufactured from Grade "S" material in Bow configuration with Safety Pin hot dipped galvanized .Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.



CODE	SIZE	WLL	Wt.	DIMENSIONS					
№	mm	T	kg	B mm	D mm	d mm	e mm	L mm	W mm
503513	13	2	0.36	33	16	13	33	48	21
503516	16	3.2	0.76	43	19	16	40	61	27
503519	19	4.7	1.23	51	22	19	48	82	32
503522	22	6.5	1.79	58	25	22	54	84	37
503525	25	8.5	2.78	68	29	25	60	95	43
503529	29	9.5	3.75	74	32	29	67	108	46
503532	32	12	5.31	83	35	32	76	119	52
503535	35	13.5	6.98	92	38	35	84	133	57
503538	38	17	9.44	98	44	38	92	146	60
503544	44	25	15.39	127	51	44	110	178	73
503551	51	35	23.71	146	57	51	127	197	83
503557	57	42.5	29.01	160	63	57	143	222	95
503564	63	55	44.58	184	70	63	152	267	105
503576	76	85	69.87	200	83	76	165	330	127
503589	89	120	129.31	241	85	89	203	381	146
503590	102	150	153.36	279	108	102	229	432	165

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AUSTRALIAN LIFTING CENTRE PTY LTD

EYE BOLTS AND EYE NUTS

AUSTLIFT®

1300 100 120

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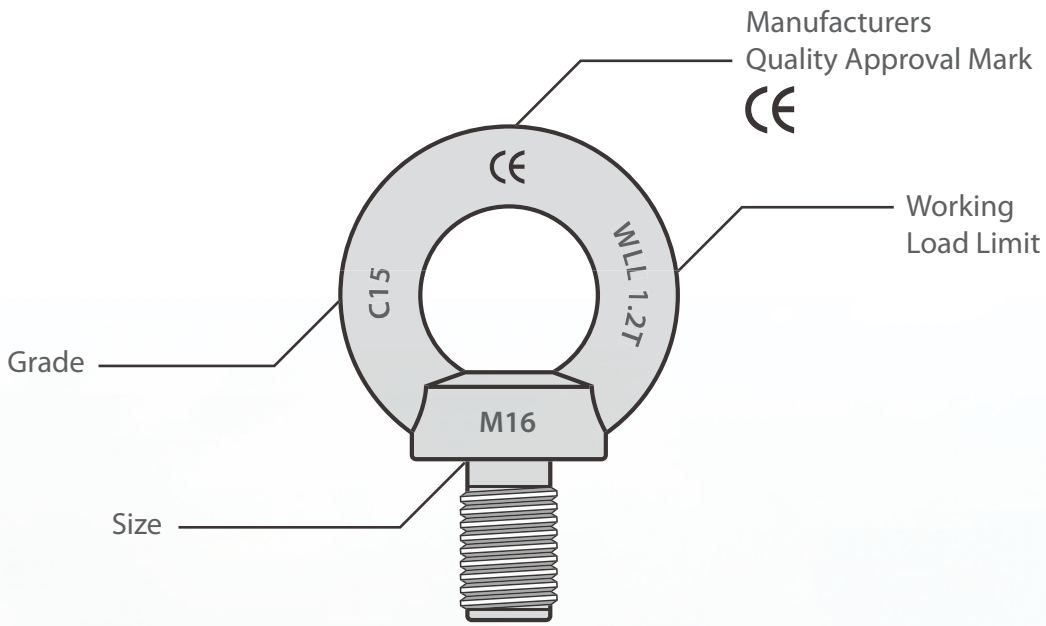
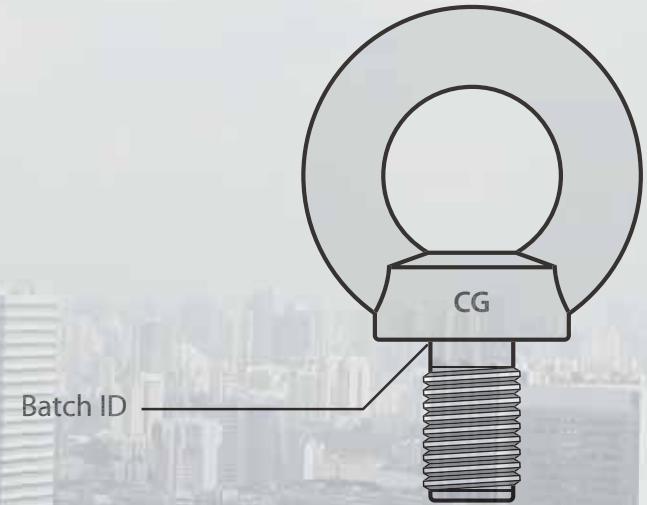
Contents

Inspection Before Use	132
Warning	132
Care In Use	133
Eye Bolt	134
Care In Use	134
Eye Nut	135
Eye Bolt - Bs4278 With Metric Sizing	136
Eye Bolt - Bs529 With Whitworth Sizing	136
Working Load Limited For Eye Bolts	137
Swivel Large Eye Bolt	137
Eye Bow Nut	137
Swivel Eye Bolt	138

AUSTLIFT EYE NUTS & BOLTS INDENTIFYING FEATURES

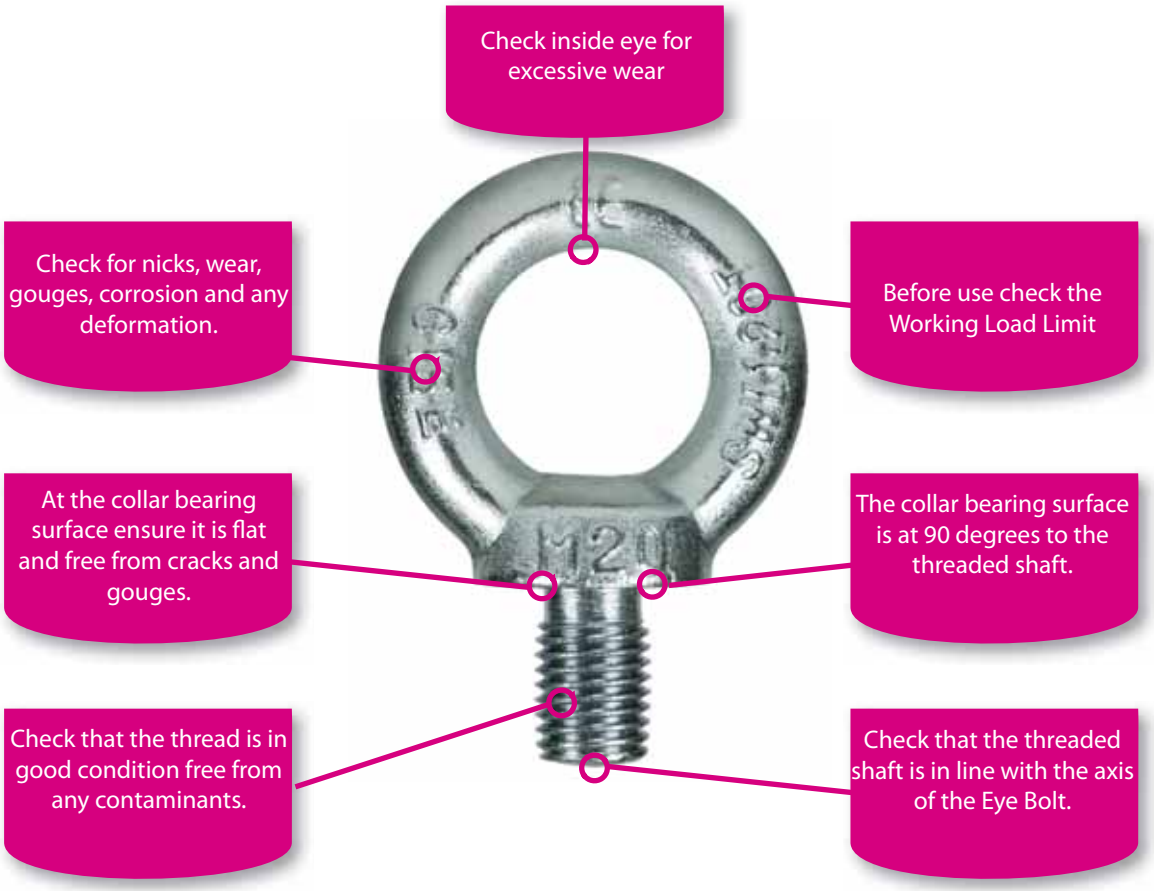




INSPECTION BEFORE USE

The pre-use check for Eye Bolts should include the following:

1. Ensure the Working Load Limit is marked and clearly legible.
2. Check for any signs of deformation, cracking, nicks, gouges and excessive bruising, wear or corrosion.
3. Threads should be concentric and fit neatly into a standard threaded hole or rated nut.
4. Check that the centre line of the eye is aligned with the centre line of the thread.
5. Check the threaded hole to ensure it is clean and no other foreign matter that could restrict the Eye Bolts from seating correctly in the hole. Particular attention should be paid to the threaded hole to ensure it is in good condition.
6. Check that the hole thread and the Eye Bolt thread are compatible.
7. It is important to check the surface area around the threaded hole (which the Eye Bolt collar will sit on) to ensure it is clean, free from deformation, cracking or any other problem that may restrict the Eye Bolt seating correctly.
8. Eye Bolt under 12mm is not suggested to use for lifting purposes ,refer to relevant standards.


Check inside eye for excessive wear
Check for nicks, wear, gouges, corrosion and any deformation.
Before use check the Working Load Limit
At the collar bearing surface ensure it is flat and free from cracks and gouges.
The collar bearing surface is at 90 degrees to the threaded shaft.
Check that the thread is in good condition free from any contaminants.
Check that the threaded shaft is in line with the axis of the Eye Bolt.
M20

WARNING

WARNING

- Eye Bolts should always be used in accordance with Australian Standards or other relevant standards and the manufacturers recommendations.
- When Eye Bolts are used the load should always be tethered to prevent it from spinning during lifting operation.
- The Working Load Limit for Eye Bolts is in the direct vertical lifting plane.
- Eye Bolts used in multi leg assemblies must be de-rated.
- Where a single Eye Bolt is used, care should be taken to ensure that it remains screwed home throughout the lifting operation. If a single Eye Bolt is used for lifting and there is a possibility that the load will rotate or twist, a swivel should be used in the system to prevent the Eye Bolt unscrewing.
- Never lift with an Eye Bolt that is not correctly seated on its collar bearing surface. A dangerous situation is created when incorrectly seated Eye Bolts are loaded.
- Never use excessive leverage to tighten an Eye Bolt. Excessive tightening will cause stretching and deformation of the thread resulting in a dangerous situation.

Austlift collared Eye Bolts complies with DIN580, BS4278 and AS2317 and are manufactured to the highest quality. Eye Nuts are manufactured to DIN582. We also provide hanging loop type Eye Nuts.

Note: Care in Use information should be taken as a general guide, as collared Eye Bolts are suitable for a number of broad applications.

Small Eye Bolts

We suggest that Eye Bolts of sizes smaller than 12mm should not be used for general lifting, staying or tensioning purposes, as high torsional stresses are easily induced in these smaller sizes by being screwed up too tightly. However, where they are used, care should be taken to not cause excessive torsional stresses while they are being fitted to a threaded hole.

Matching of Threads

Extreme care should be taken to ensure that Eye Bolts are not screwed into threaded holes of a different size or type of thread. Accidents may be caused by Eye Bolts with metric threads being screwed inadvertently into tapped holes having a BSW or UNC thread and vice versa. Apart from force fits, the thread sizes listed in the table below may be wrongly matched with the risk that the Eye Bolt may pull out of the threaded hole below the design load.

The possibility of mixing threads has always existed, but it has been accentuated by the change to metric threads. Where an Eye Bolt is removed from a threaded hole, it is recommended that the surface adjacent to the threaded hole be marked with the thread type and size and a plug be inserted into the threaded hole, or that other equally effective action be taken to reduce the possibility of mismatching threads. Where an Eye Bolt cannot be screwed by hand, the cause of the tight fit may be mixed threads.

Threaded Attachment

Where an Eye Bolt is used in an untapped hole, the thread should engage a nut with a thread length of at least the full thickness of a standard sized nut.

Where an Eye Bolt is used with a tapped hole in a plate the length of thread engagement should be at least the nominal diameter of the thread. Where the undercut is not sufficient to allow for an adequate engagement of the collar, a parallel washer beneath the collar should be used so that an adequate engagement is achieved.

If the nut side of the Eye Bolt is on a tapered surface, such as the inside flange of an RSJ beam, then a tapered washer should be used.

Incorrect Matched Thread Sizes Are Particularly Troublesome

Metric Eye Bolt	BSW and UNC hole inches	Metric Eye Bolt	BSW and UNC hole inches
M6*	1/4″	M27	1-1/16″
M8*	5/16″	M30	1-1/4″
M10*	3/8″	M33	1-5/16″
M12	1/2″	M36	1-1/2″
M14	9/16″	M39	1-9/16″
M16	5/8″	M42	1-3/4″
M20	3/4″	M48	2″
M22	7/8″	M52	2-1/16″
M24	1″	M56	2-3/16″

Where an Eye Bolt cannot be screwed by hand, the cause of the tight fit may be mixed threads.
*Please refer to note's **Small Eye Bolts** above.

Tightening of Eye Bolts

Eye Bolts should be screwed fully down to the face of the lifted load; however, excessive tightening of the Eye Bolt should be avoided. It should not be possible to enter a 0.04 mm feeler gauge at any position between the collar of an Eye Bolt and its seating. Where this condition is not achieved, any non-axial loading may overstress the screw thread.

Alignment of Eye

Where correct alignment of the eye of an Eye Bolt is required but not accomplished at the first fitting, it should be achieved by the following methods:
(a) Fitting a shim washer of steel under the collar. A shim washer should not be less in diameter than the diameter of the collar, and the thickness should be between 50% and 100% of the pitch of the threaded shank.
(b) Machining the underside of the collar. The amount of material machined from the collar should not exceed 50% of the pitch of the thread on the shank of the Eye Bolt.

Continuous Slings

A continuous Sling should not be used with pairs of Eye Bolts (refer figure 3.5). Where a continuous Sling is used with a pair of Eye Bolts, the load applied to the Eye Bolts is considerably increased by the tension in the horizontal portion of the Sling and this may overstress the Eye Bolts. Whenever lifting with Eye Bolts in pairs supported by Slings, always use rigging assemblies with individual Sling lengths.

Loading Not Aligned with Threaded End

Where the centre-line of loading is not in line with the axis of the threaded end of the Eye Bolt, including where a two-leg Sling is connected to a pair of Eye Bolts to support a load, the following apply:
(a) The diameter of the boss of the tapped hole, into which the Eye Bolt is screwed, should be no less than the diameter of the collar of the Eye Bolt.
(b) The angle between the centre-line of the loading on the eye of the Eye Bolt and the plane containing the eye of the Eye Bolt should not exceed 5°, unless and adequate reduction is made to the WLL.
Where the perpendicular loading is applied (sometimes called 'trunnion lifting'), the eye of the Eye Bolt should be aligned in the vertical plane.

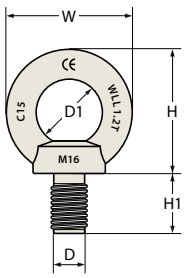
Where two pairs of Eye Bolts are fitted to a single item, lifting should be effected by means of two two-leg Slings and a spreader bar to ensure the load is distributed evenly across the Eye Bolts. This arrangement also allows the load to be readily applied to each Eye Bolt in the plane of the eye.

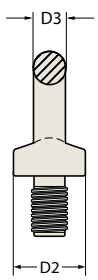
Eye Bolt

Din Standard 580

Eye Bolts DIN580 and Eye Nut DIN 582 are generally used as a removable lifting point where a rated female thread or nut can be utilized also can be used as a termination for Chain, Wire Rope and other assembles where required.

- Made from C15 carbon steel with zinc plated finish, manufactured with a standard larger eye. Only available in metric thread sizes.
- Conforms to DIN580 and DIN 582 marked with working load limit in tonne, nominal size in millimetre, quality grade, batch numbered and supplier identification.Proof tested to 2 x Working load limit and Minimum breaking force of 6 x Work load limit.Test Certificate are upon request.

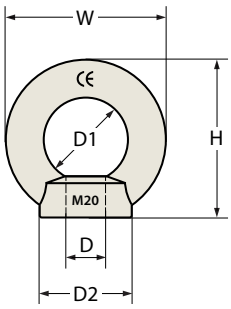


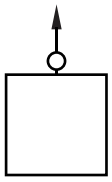
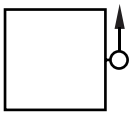
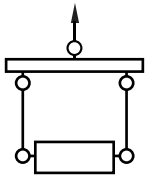
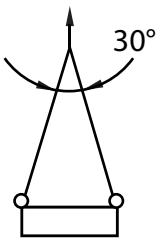
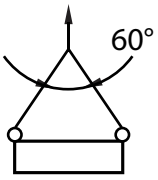
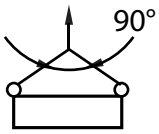


CODE	SIZE	PITCH	WLL	Wt.	DIMENSIONS						
	mm	mm	T	kg/pc	D mm	D1 mm	D2 mm	D3 mm	H mm	H1 mm	W mm
601006	M6	1.00	0.07	0.055	6	14	19	6.5	27.5	12	27
601008	M8	1.25	0.14	0.06	8	20	20	8	36	13	36
601010	M10	1.50	0.23	0.1	10	25	25	10	45	17	45
601012	M12	1.75	0.34	0.19	12	30	30	12	53	20	54
601016	M16	2.00	0.70	0.31	16	35	35	14	62	27	63
601020	M20	2.50	1.20	0.45	20	40	40	16	71	30	72
601022	M22	2.50	1.50	0.68	22	45	45	18	80.5	35	81
601024	M24	3.00	1.80	0.72	24	50	50	20	90	36	90
601027	M27	3.00	2.50	1.16	27	50	50	20	97	36	90
601030	M30	3.50	3.60	1.6	30	65	65	24	109	45	108
601036	M36	4.00	5.10	2.8	36	75	75	28	128	54	126
601042	M42	4.50	7.00	4.2	42	85	85	32	147	63	144
601048	M48	5.00	8.60	6.5	48	100	100	38	168	68	168
601056	M56	5.50	11.5	8.9	56	100	110	42	187	78	184

Din Standard 582

CODE	SIZE	PITCH	WLL	WEIGHT	DIMENSIONS				
	mm	mm	T	kg/pc	D mm	D1 mm	D2 mm	H mm	W mm
602006	M6	1.00	0.07	0.055	6	17	20	36	28
602008	M8	1.25	0.14	0.06	8	20	20	36	36
602010	M10	1.50	0.23	0.1	10	25	25	45	45
602012	M12	1.75	0.34	0.19	12	30	30	53	54
602016	M16	2.00	0.70	0.31	16	35	35	62	63
602020	M20	2.50	1.20	0.45	20	40	40	71	72
602022	M22	2.50	1.50	0.68	22	45	45	80.5	81
602024	M24	3.00	1.80	0.72	24	50	50	90	90
602027	M27	3.00	2.50	1.16	27	50	50	97	90
602030	M30	3.50	3.60	1.6	30	65	65	109	108
602036	M36	4.00	5.10	2.8	36	75	75	128	126
602042	M42	4.50	7.00	4.2	42	85	85	147	144
602048	M48	5.00	8.60	6.5	48	100	100	168	168

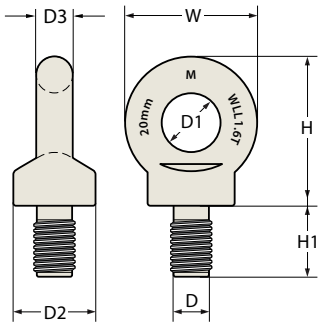


	Single Eye Bolt		Pair of Eye Bolts			
Eye Bolt size	Axial	Side 90°	Vertical Pair	30° Angle	60° Angle	90° Angle
						
M6	0.07	0.018	0.035	0.088	0.056	0.035
M8	0.14	0.035	0.07	0.176	0.112	0.07
M10	0.23	0.058	0.115	0.29	0.184	0.115
M12	0.34	0.085	0.17	0.428	0.272	0.17
M16	0.70	0.175	0.35	0.882	0.56	0.35
M20	1.20	0.3	0.6	1.512	0.96	0.6
M22	1.50	0.375	0.75	1.89	1.2	0.75
M24	1.80	0.45	0.9	2.268	1.44	0.9
M27	2.50	0.625	1.25	3.15	2.0	1.25
M30	3.60	0.9	1.8	4.536	2.88	1.8
M36	5.10	1.275	2.55	6.426	4.08	2.55
M42	7.00	1.75	3.5	8.82	5.6	3.5
M48	8.60	2.15	4.3	10.836	6.88	4.3
M56	11.50	2.875	5.75	14.49	9.2	5.75

Eye bolt - BS4278 with Metric Sizing

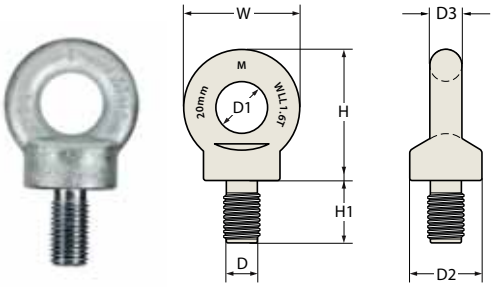
BS4278 Eye Bolts are generally used as a removable lifting point where a rated female thread or nut can be utilized also can be used as a termination for Chain, Wire Rope and other assembles where required.

- Made from carbon steel following steel specifications of BS 970 with zinc plated finish, manufactured with a smaller eye than DIN type.
- Conforms to AS2317, marked with working load limit in tonne, nominal size, quality grade, batch numbered and supplier identification. Proof tested to 2 x Working load limit and Minimum breaking force of 6 x Work load limit.
- Test Certificate are supplied upon request.



CODE	SIZE	PITCH	WLL	WEIGHT	DIMENSIONS						
	mm	mm	T	kg/pc	D mm	D1 mm	D2 mm	D3 mm	H mm	H1 mm	W mm
603010	M10	1.50	0.25	0.07	10	15	22	9	35	18	32
603012	M12	1.75	0.40	0.07	12	15	22	9	40	18	33
603016	M16	2.00	0.80	0.16	16	20	29	12	52	23	44
603020	M20	2.50	1.60	0.44	20	27	40	16	72	32	59
603024	M24	3.00	2.50	0.86	24	35	52	21	92	40	77
603030	M30	3.50	4.00	1.66	30	44	65	26	116	51	96

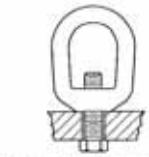
Eye bolt - BS529 with Whitworth Sizing

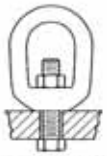


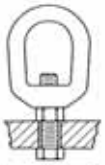
BS529 Eye Bolts are generally used as a removable lifting point where a rated female thread or nut can be utilized, also can be used as a termination for Chain, Wire Rope and other assembles where required.

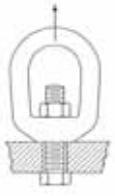
- Made from carbon steel following steel specifications of BS 970 with zinc plated finish, manufactured with a smaller eye than DIN type.
- Conforms to AS2317, marked with working load limit in tonne, nominal size, quality grade, batch numbered and supplier identification. Proof tested to 2 x Working load limit and Minimum breaking force of 6 x Work load limit.
- Test Certificate are supplied upon request.

CODE	SIZE	PITCH	WLL	WEIGHT	DIMENSIONS						
	inches	inches	T	kg/pc	D in	D1 in	D2 in	D3 in	H in	H1 in	W in
604005	3/8	0.0625	0.25	0.06	10	9/16	27/32	11/32	35	21/32	32
604010	1/2	0.0833	0.5	0.14	12	3/4	1 1/8	7/16	40	7/8	33
604015	5/8	0.0909	1.0	0.3	16	15/16	1 13/32	9/16	52	1 3/32	44
604020	3/4	0.1	1.5	0.5	20	1 1/8	1 11/16	21/32	72	1 5/16	59
604025	7/8	0.125	2.0	0.6	22	1 5/16	1 31/32	25/32	82	1 17/32	73
604030	1	0.1429	2.5	1.1	24	1 1/2	2 1/4	7/8	92	1 3/4	77
604035	1 1/4	0.1429	4	2.1	32	1 7/8	2 13/16	1 3/32	130	2 3/16	123


Through hole no nut


Through hole top nut


Through hole bottom nut


In-line loading only

WORKING LOAD LIMITED FOR BS EYE BOLTS

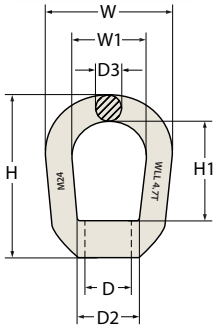
Metric	Imperial				30°	60°	90°
M10	3/8″	0.25	0.06	0.12	0.31	0.2	0.12
M12	1/2″	0.4	0.1	0.2	0.5	0.32	0.2
M16	5/8″	0.8	0.2	0.4	1.0	0.64	0.4
M20	3/4″	1.6	0.4	0.8	2.0	1.28	0.8
M22	7/8″	2.0	0.5	1.0	2.5	1.6	1.0
M24	1″	2.5	0.62	1.25	3.1	2.0	1.25
M30	1.1/8	4.0	1.0	2.0	5.0	3.2	2.0
M33	1.1/4″	5.0	1.25	2.5	6.3	4.0	2.5
M36	1.1/2″	6.3	1.57	3.1	7.9	5.0	3.1
M39	1.9/16″	7.0	1.75	3.5	8.8	5.6	3.5
M42	1.5/8″	8.0	2.0	4.0	10.0	6.4	4.0
M48	2″	10.0	2.5	5.0	12.6	8.0	5.0
M56	2.1/4″	15.0	3.7	7.5	18.9	12.0	7.5

Eye Bow Nut

Bow Nut in accordance with requirements of ASME B30.26, used as a removable hanging Eye Nut where a rated male thread or bolt can be utilized commonly used in the Mining Industry.

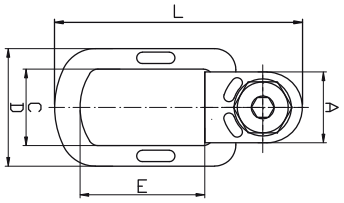
- Made from G-400 forged steel quenched and tempered with zinc plated finish, manufactured with a bow shape, available in metric thread sizes only.
- Marked with working load limit in tonne, nominal size in millimetre, batch numbered and supplier identification. Proof tested to 2 x Working load limit and Minimum breaking force of 5 x Work load limit.
- Test Certificate are available upon request.

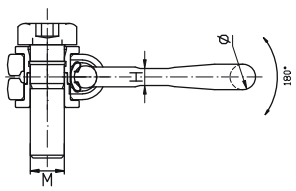
M24



CODE	SIZE	WLL	WEIGHT	DIMENSIONS						
	mm	T	kg/pc	D mm	D2 mm	D3 mm	H mm	H1 mm	W mm	W1 mm
602035	M24	4.7	1	24	46	21	125	75	98	53

Swivel Large Eye Bolt



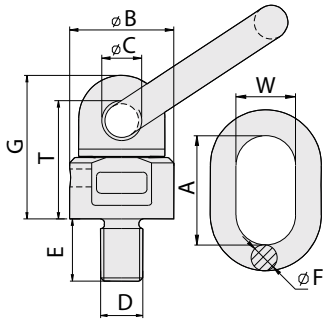


CODE	SIZE	WLL	WEIGHT	DIMENSIONS								
	mm	T	kg/pc	BL/T	Ø mm	A mm	C mm	D mm	E mm	H mm	M mm	L mm
605220	M20	2.5	1.21	10	16	50	54	83	74	12	20	159
605224	M24	4	1.37	16	18	50	54	83	88	12	24	175

Swivel Eye Bolt

Swivel Ring Bolt accordingly to EN 818-4 for load ring and AS2318 for the swivel component. Used as a swiveling load ring capable of rotating under load due to ball bearings ideally suited for dynamic lifting in any position.

- Made from G80 alloy steel with yellow painted finish, manufactured with a oval link, and available in metric thread sizes from 8mm to 36mm.
- Marked with working load limit in tonne, nominal size in millimetre, quality mark and supplier identification.Proof tested to 1.25 x Working load limit.
- Test Certificate are available upon request.



CODE	SIZE	WLL(4:1)		WEIGHT	DIMENSIONS						
	mm	90° T	0° T	kg	A mm	B mm	C mm	E mm	F mm	G mm	W mm
605108	8	0.3	0.6	0.41	55	36	15	13	13	51	30
605110	10	0.45	0.9	0.43	55	36	15	18	13	51	30
605112	12	0.5	1	0.44	55	36	15	18	13	51	30
605116	16	1.12	2	0.46	55	36	15	20	13	52	30
605120	20	2	4	0.96	70	49.5	19	30	16	68	35
605124	24	3.15	6.3	1.45	85	57	22	30	18	78	40
605130	30	5.3	10.6	2.17	85	66	23.5	35	20	96.5	40
605136	36	8	11.8	3.6	115	80	27	50	22	109	50

WARNING

- **Swivel Ring Bolt should be tightened by hand with Spanner only.**
- **These Ring Bolts are not designed for permanent rotating continuously.**
- **Not suitable for turning under full load at 90° in side loading position.**

Swivel Eye Bolt

Collar shall be seated against threaded surface

	Single Eye Bolt		Pair of Eye Bolts			
Eye Bolt size	Axial	Side 90°	Vertical Pair	30° Angle	60° Angle	90° Angle
				30°	60°	90°
M8	0.3	0.075	0.15	0.58	0.52	0.42
M10	0.45	0.112	0.22	0.86	0.78	0.63
M12	0.5	0.125	0.25	0.96	0.86	0.70
M16	0.12	0.28	0.56	2.16	1.9	1.58
M20	2.0	0.5	1.0	3.85	3.45	2.80
M24	3.15	0.78	1.56	6.0	5.45	4.45
M30	5.3	1.3	2.6	10.2	9.15	7.47
M36	8.0	2.0	4.0	15.5	13.8	11.25

AUSTRALIAN LIFTING CENTRE PTY LTD

NON-ALLOY & STAINLESS STEEL FITTINGS

AUSTLIFT®

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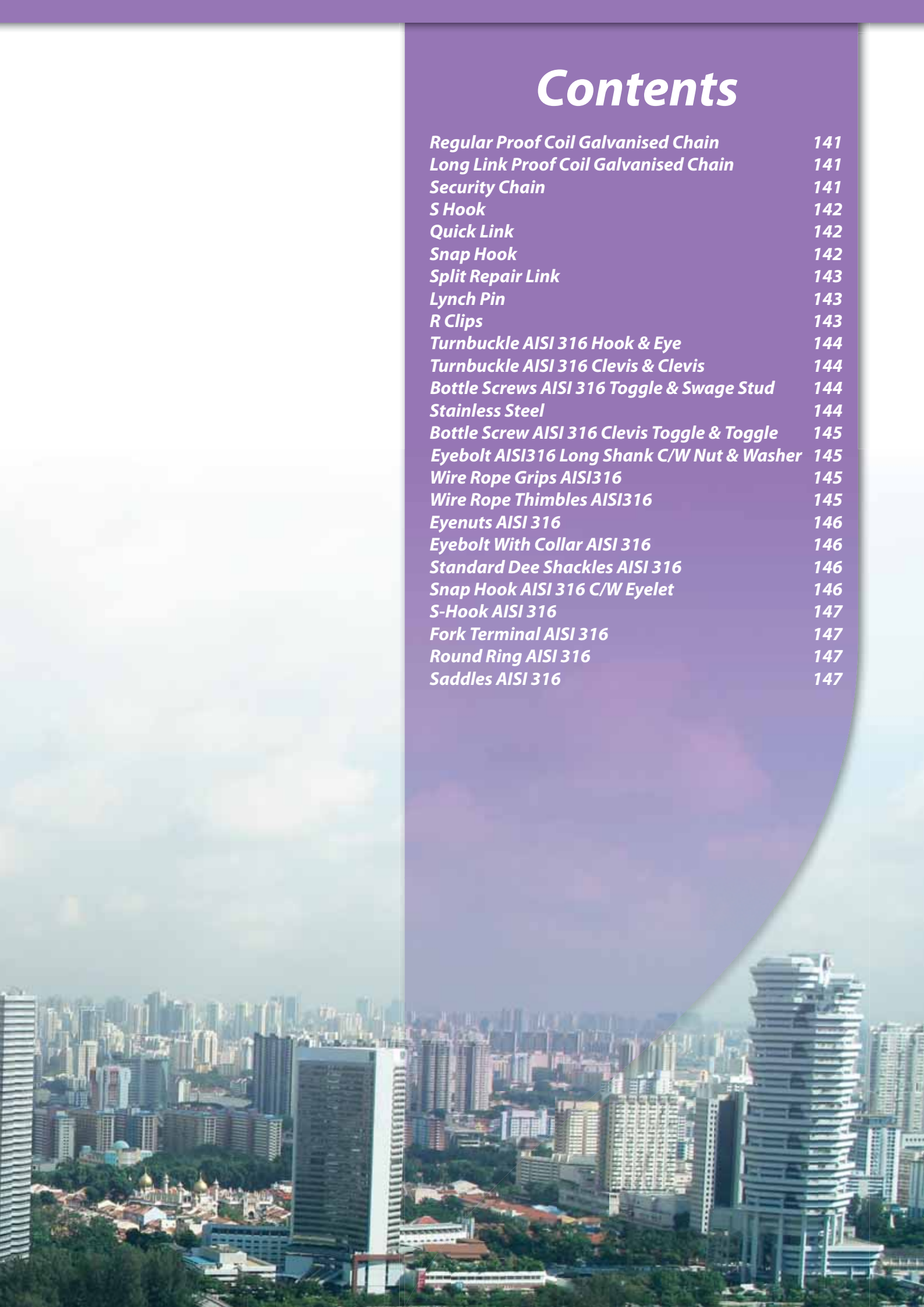
Contents

Regular Proof Coil Galvanised Chain	141
Long Link Proof Coil Galvanised Chain	141
Security Chain	141
S Hook	142
Quick Link	142
Snap Hook	142
Split Repair Link	143
Lynch Pin	143
R Clips	143
Turnbuckle AISI 316 Hook & Eye	144
Turnbuckle AISI 316 Clevis & Clevis	144
Bottle Screws AISI 316 Toggle & Swage Stud	144
Stainless Steel	144
Bottle Screw AISI 316 Clevis Toggle & Toggle	145
Eyebolt AISI316 Long Shank C/W Nut & Washer	145
Wire Rope Grips AISI316	145
Wire Rope Thimbles AISI316	145
Eyenuts AISI 316	146
Eyebolt With Collar AISI 316	146
Standard Dee Shackles AISI 316	146
Snap Hook AISI 316 C/W Eyelet	146
S-Hook AISI 316	147
Fork Terminal AISI 316	147
Round Ring AISI 316	147
Saddles AISI 316	147

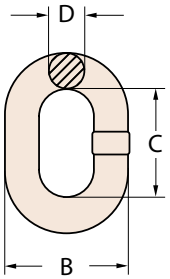


Regular Link, Proof Loaded, Galvanised Chain

Austlift Proof loaded Chain are manufactured from low carbon steel and come in a variety of link formations and used for agricultural, industrial, manufacturing, marine and general engineering applications.

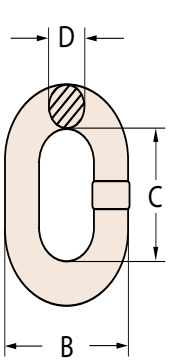
- General purpose Chain with a variety of link dimensions
- Manufactured from low grade carbon steel
- Available in regular link and long link.
- Packed in 50kg pails and 500kg drum and cut length.
- Available in self colour, hot dip galvanized and zinc finish.
- NOT SUITABLE FOR LIFTING APPLICATIONS

50KG PAIL PAK			DIMENSIONS			500KG DRUM		CUT LENGTH
CODE	SIZE	LENGTH	B	C	D	CODE	LENGTH	CODE
№	mm	Mtr	mm	mm	mm	№	Mtr	№
705003	3	249	13.1	15.7	3	-	-	-
705004	4	153	16	18.6	3.8	-	-	-
705005	5	96.5	19.4	22	4.75	705105	965	703705
705006	6	60	23.5	26	6	705106	600	703706
705008	8	37	29.5	32	7.6	705108	370.5	703708
705010	10	23.5	36	39	9.5	705110	235.5	703710
705013	13	13.8	46	49	12	705113	138.5	703713
705016	16	9	56	60	16	705116	91	703716



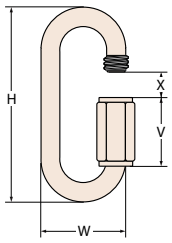
Long Link, Proof loaded, Galvanised Chain

50KG PAIL PAK			DIMENSIONS			500KG DRUM		CUT LENGTH
CODE	SIZE	LENGTH	B	C	D	CODE	LENGTH	CODE
№	mm	Mtr	mm	mm	mm	№	Mtr	№
704105	5	103	21.8	29.3	5	704205	1030	704305
704106	6	64	26.1	34.5	6.3	704206	640	704306
704108	8	39	31.9	41.3	8	704208	390.5	704308
704110	10	25	38.7	49	10	704210	251	704310



NOTE: Dimensions stated are approximate and subject to commercial tolerances.

Quick Link

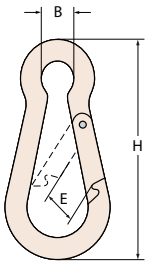


Austlift Quick Links are used as a temporary way to connect commercial fittings commonly used with Chain.

- Manufactured with low carbon steel.
- Sizes available from 4mm to 16mm.
- Oval shaped with a hex screw lock gateway.
- Available in zinc plated finish only.
- NOT FOR LIFTING APPLICATIONS.

CODE	SIZE	OPENING	DIMENSIONS		
	mm	SIZE mm	H mm	V mm	W mm
701504	4	5.5mm	39	12.5	19
701505	5	6.5mm	48	15	23
701506	6	7.5mm	57	19	26
701508	8	10mm	76	23	34
701510	10	12mm	89	29	40
701512	12	15mm	107	32	49
701516	16	19mm	140	43	61

Snap Hook

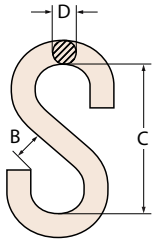


Austlift Snap Hooks are used as a temporary way for connecting commercial products and as a light duty hanging devise that snap lock.

- Manufactured with low carbon steel.
- Sizes available from 4mm to 15mm
- Key hole shaped with a spring catch.
- Available in zinc plated finish only.
- NOT FOR LIFTING APPLICATIONS.

CODE	SIZE	DIMENSIONS		
	mm	B mm	E mm	H mm
702004	4	7	7	40
702005	5	8	7	50
702006	6	9	8	60
702008	8	12	9	80
702010	10	15	11	100
702012	12	20	19	140
702015	15	22	35	200

S Hook



Austlift S-hooks are commonly used as a hanging devise and other general purpose applications

- Manufactured with low carbon steel.
- Sizes available from 3mm to 10mm
- S shaped hook.
- Available in zinc plated finish only.
- NOT FOR LIFTING APPLICATIONS.

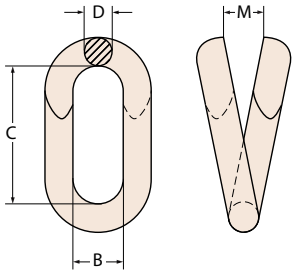
CODE	SIZE	DIMENSIONS		
	mm	B mm	C mm	D mm
703003	3	4	23.8	3
703004	4	5.5	31.8	4
703005	5	8	39.7	5
703006	6	8.7	47.6	6
703008	8	11.9	65.1	8
703010	10	13.5	80.1	9.5

Split Repair Link

Austlift Split Links are used as a more permanent way to connect commercial fittings commonly used with Chain products.

- Manufactured from mild steel
- Sizes available from 3mm to 13mm.
- Chain link shaped with large split gap for ease of attachment.
- Electroplated finish for anti-corrosion and ease of welding.
- NOT FOR LIFTING APPLICATIONS.

CODE	SIZE	DIMENSIONS			
	mm	B mm	C mm	D mm	M mm
701030	3	6.5	16.5	3	4
701040	4	8	20	4	5.5
701050	5	9.5	23	5	6
701060	6	10.5	29	6	7
701080	8	15	37	8	9
701110	10	17	37.5	10	10
701130	13	20	40	13	13

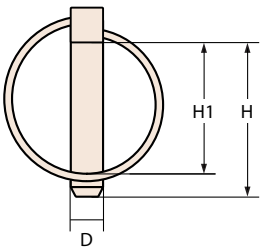


Lynch Pin

Austlift Lynch Pins are commonly used as a positive securing devise for shaft pins.

- Pin sizes from 4mm to 10mm available
- Made from low carbon steel and zinc plated.
- NOT FOR LIFTING APPLICATIONS.

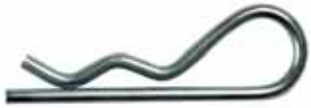
CODE	DIMENSIONS		
	D mm	H mm	H1 mm
701304	4	40	32.5
701306	6	40	32.5
701308	8	40	32.5
701310	10	40	34.5



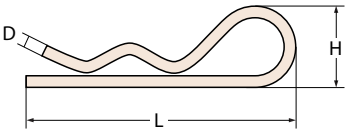
R Clips

Austlift R-Clips are commonly used as a removable securing pin for shafts.

- Pin sizes from 3mm to 6mm available.
- Made from low carbon steel and zinc plated.
- NOT FOR LIFTING APPLICATIONS.

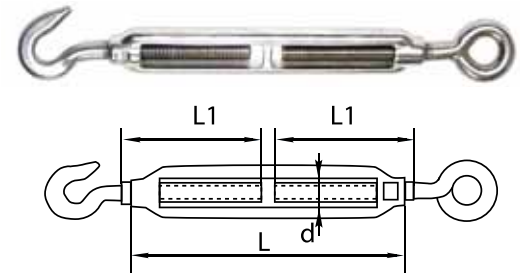


CODE		DIMENSIONS		
		D(mm)	L(mm)	H(mm)
701203	3mm Wire Suite 10-12mm Shaft	3	67	20
701204	4mm Wire Suite 12-22mm Shaft	4	88	28
701205	5mm Wire Suite 16-27mm Shaft	5	106	35
701206	6mm Wire Suite 19-32mm Shaft	6	120	44



WARNING STAINLESS STEEL FITTINGS NOT FOR LIFTING APPLICATIONS.

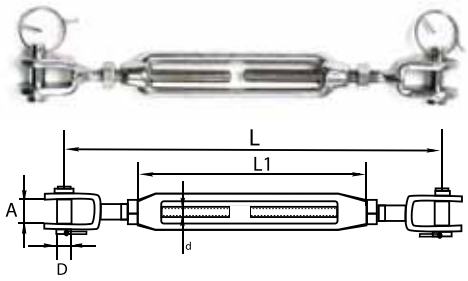
Turnbuckle AISI 316 Hook & Eye



Austlift Stainless Steel Hook and Eye Turnbuckles used as a tensioning devise and commonly use for Architectural, Rigging and Marine applications.

Code:	720305	720306	720308	720310	720312	720316
Size(d) MM	M5	M6	M8	M10	M12	M16
L	70	90	120	150	200	250
L1	35	44	59	73	95	116

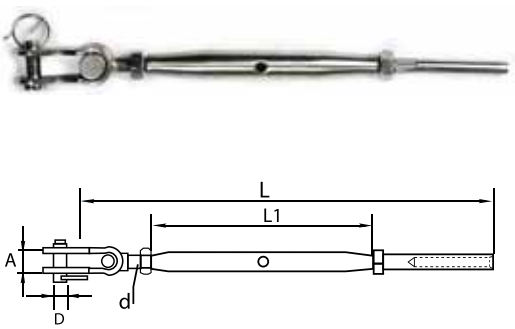
Turnbuckle AISI 316 Clevis & Clevis



Austlift Stainless Steel Clevis and Clevis Turnbuckles used as a tensioning devise and commonly use for Architectural, Rigging and Marine applications.

Code:	720505	720506	720508	720510	720512	720516
Size(d) MM	M5	M6	M8	M10	M12	M16
L	121	145	180	225	300	380
L1	70	90	120	150	200	250
A	6	7.5	10	12	14	16
D	5.2	6.2	8.7	9.7	12.6	16

Bottle Screws AISI 316 Toggle & Swage Stud



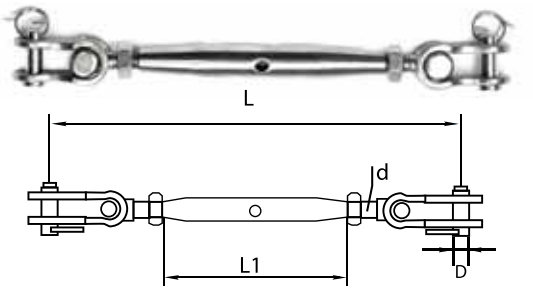
Austlift Stainless Steel Clevis Toggle and Stud Bottle Screw used as a tensioning devise and commonly use for Architectural, Balustrade Rigging and Marine applications.

Code:	721008	721010	721012	721016	721020
Size(d) MM	M8	M10	M12	M16	M20
L	208	250	297	396	458
L1	105	125	150	190	210
A	9	12	13	18	22
D	8	9	12	16	19
ROPE(Φ)	4	5	6	8	10

Bottle Screw AISI 316 Clevis Toggle & Toggle

Austlift Stainless Steel Clevis Toggle and Toggle Bottle Screw used as a tensioning devise and commonly use for Architectural, Balustrade Rigging and Marine Applications.

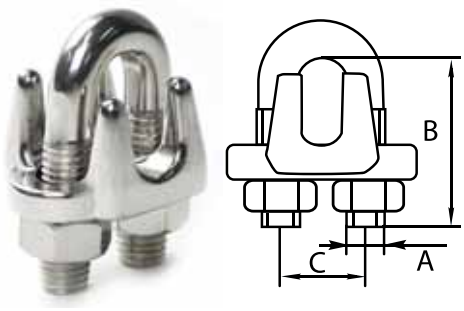
Code:	720908	720910	720912	720916	720920
Size(d) MM	M8	M10	M12	M16	M20
L	195	223	275	405	472
L1	105	125	150	190	210
A	9	12	13	18	22
D	8	9	12	16	19



Wire Rope Grips AISI 316

Austlift Stainless Steel Wire Rope Grips are for use with Stainless Wire Rope to form a loop to produce a termination for Architectural Rigging applications.

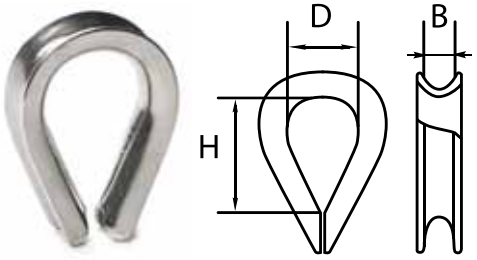
Code:	721203	721204	721205	721206	721208	721210	721212
Size MM	3	4	5	6	8	10	12
B	17	20.5	20.5	27.5	33	41	49
C	7.6	9.5	11.5	13.5	17	21	24.5
A	M3	M4	M5	M6	M8	M10	M12



Wire Rope Thimbles AISI 316

Austlift Stainless Steel Wire Rope Thimbles are for use with Stainless Wire Rope to form a protective loop to produce a termination for Architectural Rigging applications.

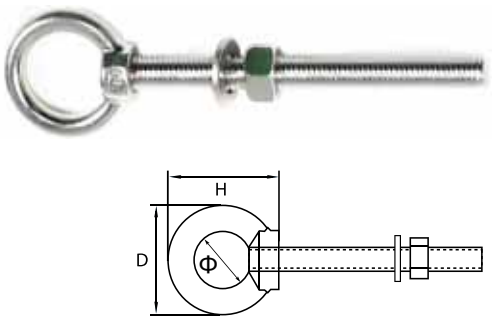
Code	721403	721404	721405	721406	721407	721408	721410	721412	721413
Size MM	2.5x3	3.5x4	4x5	5x6	6x7	7x8	9x10	10x12	12x13
D	12	13	14	16	18	20	24	28	30
H	19	21	23	25	28	32	38	45	48
B	3	4	5	6	7	8	10	12	13



Eyebolt AISI 316 Long Shank C/W Nut & Washer

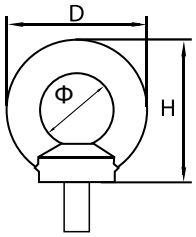
Austlift Stainless Steel Collared Eye Bolt Long Shank, used as an anchor point and with long shank has a wide variety of applications.

Code:	722006	722008	722010	722012
Size(D) MM	M6x80	M8x80	M10x100	M12x120
D	26	31	39	45
Φ	16	19	25	29
H	30	34	42	47



Eyebolt with Collar AISI 316

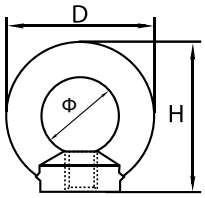
Austlift Stainless Steel Collared Eye Bolt, used as an anchor point and has a wide variety of applications.



Code:	721606	721608	721610	721612	721616
Size(D) MM	M6	M8	M10	M12	M16
D	36	36	45	54	63
Φ	20	20	25	30	35
H	36	36	45	53	62

Eyenuts AISI 316

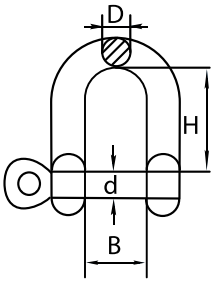
Austlift Stainless Steel Collared Eye Nut, used as an anchor point and has a wide variety of applications.



Code:	721806	721808	721810	721812	721816
Size(D) MM	M6	M8	M10	M12	M16
D	36	36	45	54	63
Φ	20	20	25	30	35
H	36	36	45	53	62

Standard Dee Shackles AISI 316

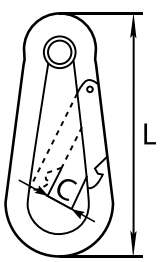
Austlift Stainless Steel Dee Shackles, used as a temporary connection devise and has a wide variety of applications.



Code:	720106	720108	720110	720112	720116
Size(D) MM	6	8	10	12	16
d	6	8	10	12	16
B	13	17	18	25	32
H	22	29	32	40	52

Snap Hook AISI 316 C/W Eyelet

Austlift Stainless Steel Snap Hook, used as a temporary connection devise and has a wide variety of applications.

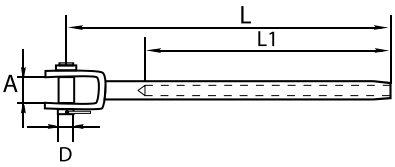


Code:	722206	722207	722208	722209	722210	722211	722212
Size MM	6	7	8	9	10	11	12
L	60	70	80	90	100	120	140
C	8	8	9	10	11	16	19

Fork Terminal AISI 316

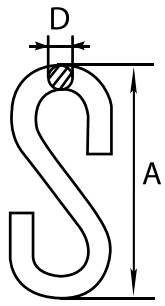
Austlift Stainless Steel Fork Terminal used as a wire termination and commonly use for Architectural, Balustrade, Rigging and Marine applications.

Code:	722604	722605	722606	722607	722608	722609	722610
Size MM	4	5	6	7	8	9.5	10
A	10	12	14	14.5	16	17	17
D	6.2	8.7	9.7	12.6	14.6	16.5	16.5
L1	40	57	63	70	85	87	89
L	77	88	106	116	145	150	150



S-Hook AISI 316

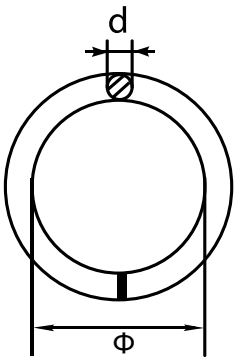
Austlift Stainless Steel S-Hook used as a hooking devise and has a wide variety of applications



Code:	722405	722406	722407	722408
Size INCH	3/16	1/4	9/32	5/16
D	5	6	7	8
A	50	60	76	80

Round Ring AISI 316

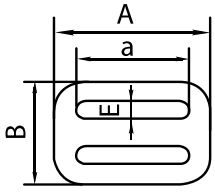
Austlift Stainless Steel Round Ring used as a ring devise and has a wide variety of applications



Code:	722805	722806	722807	722808	722809	722810
Size(d) MM	5	6	7	8	9	10
Φ	50	60	60	80	80	80

Slide Buckle AISI 316

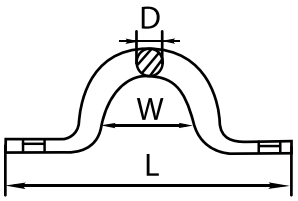
Austlift Stainless Steel Slide Buckle used as an adjustable fitting for webbing and has a wide variety of applications



Code:	723006
Size MM	3
A(mm)	65
a(mm)	51
B(mm)	34
E(mm)	6

Saddles AISI 316

Austlift Stainless Steel Saddle used as an as an anchor point and has a wide variety of applications



Code:	723206	723208	723210
Size (D) mm	6	8	10
L	60	63	75
W	15	17	20

Austlift Stainless Steel Wire Rope Products
Please check Page 153

SYDNEY
43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE
47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

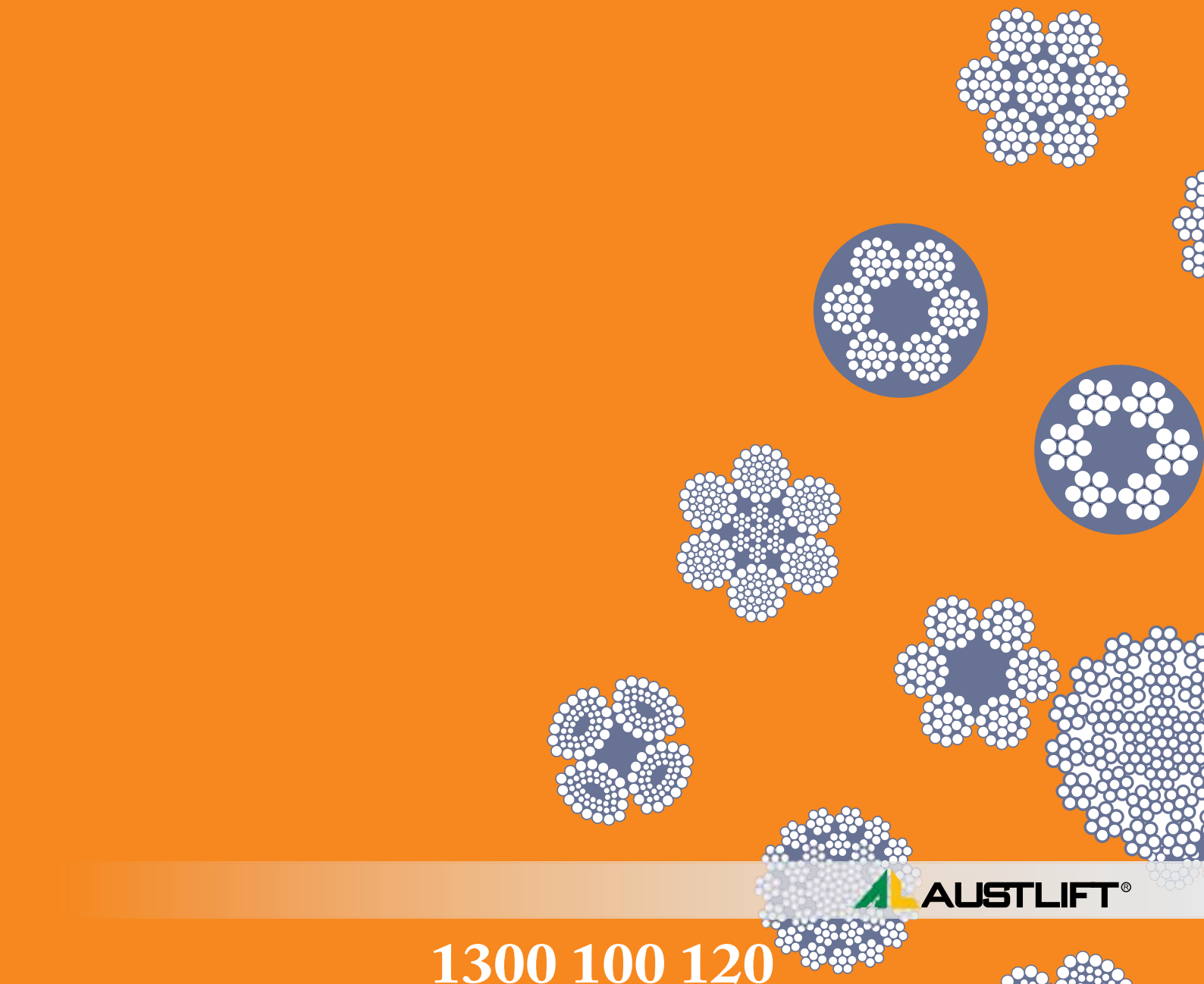
PERTH
Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE
7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

STEEL WIREROPE



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LoadMax®

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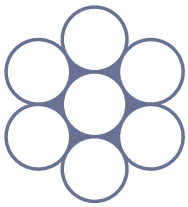
LIFTING YOUR BUSINESS TO A HIGHER LEVEL

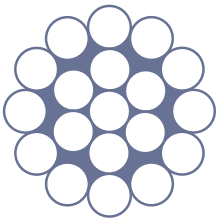
Contents

1x19 Construction	153
7x7 Construction	154
7x19 Construction	154
PVC Coated 6x19 + FC G1570	155
PVC Coated 6x7 + FC G1570	155
6x7 + FC G1570	156
6x19 + FC G1570	156
6x24+FC G1570	157
7x7 WSC (G1570 & G2070)	158
7x19 WSC (G2070)	158
6x19S (9/9/1) + IWRC	159
6x25Fi + IWRC	159
6 x36SW + IWRC	160
G2070MPa	160
Compacted 35(W)X7 Wire Rope	161
Strand 1X19	161
35Wx7 WSC Wire Rope	162
18x7 FC Wire Rope	162
Correct Storage And Handling	163
How To Measure Wire Rope	163
Wire Rope Construction	163
Wire Rope Introduction	163
Wire Rope Terminology	164

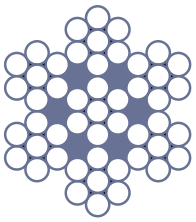
Typical Flexible Steel Wire Rope Construction



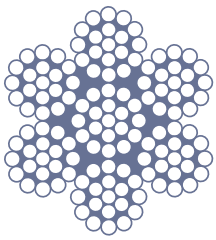
1 X 7



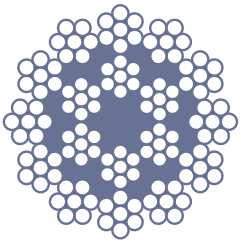
1x19



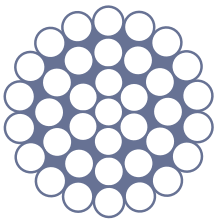
7 X 7 WSC



7 X 19



18 X 7 FC



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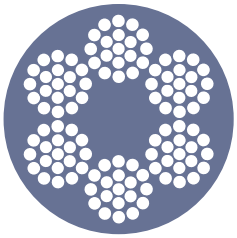
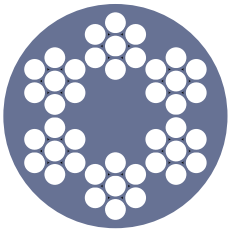
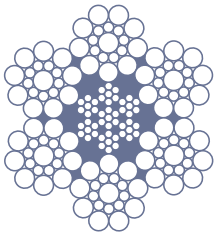


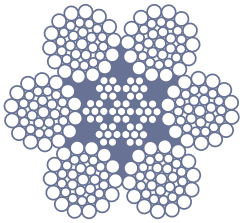
PVC 6 X 19 + FC



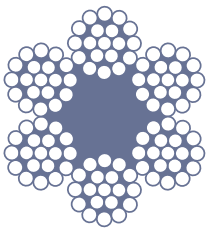
PVC 6 X 7 + FC



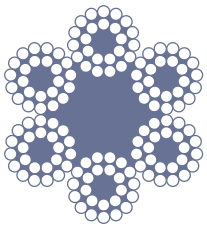
6 X 19S +IWRC



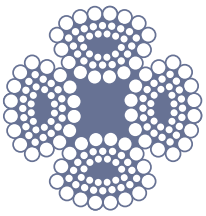
6 X 25Fi + WRC



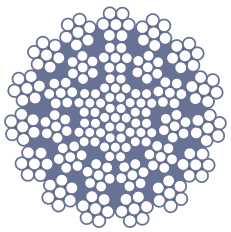
6 X19 + FC



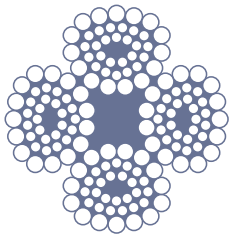
6 X 24 + FC



4V48S + 5FC



35 X 7 WSC



4V39S + 5FC

Austlift Stainless Steel Wire Ropes are essential for flexible Wire Rope solutions in corrosive environments for the marine, architectural and building industries.

- Sizes from 1.2mm to 16mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Construction's of 1x19, 7x7 and 7x19 in stock.
- Conforms to AS3569, Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 reel lengths are available upon request.

Chemical analysis of alloying elements as a percentage	
Carbon	0.08%Max
Nickel	8-10.5%
Chromium	18-20%
Manganese	2% Max
Silicon	1% Max
Phosphorus	0.045 Max
Sulphur	0.03% Max

MINIMUM BREAKING STRAIN

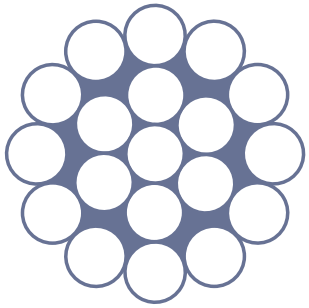
DIAMETER		1X19		7X7		7X19	
		G304	G316	G304	G316	G304	G316
mm	in	kg	kg	kg	kg	kg	kg
1.2	3/64	170	110	122	87	122	87
1.6	1/16	227	215	217	201	217	201
2.0	5/64	363	320	294	277	294	277
2.4	3/32	544	510	417	389	417	389
3.0	1/8	835	776	674	625	700	648
3.2	1/8	953	885	771	713	798	739
4.0	5/32	1497	1395	952	874	952	878
4.8	3/16	2132	1971	1678	1559	1678	1559
5.5	7/32	2858	2683	2177	2016	2268	2097
6.4	1 / 4	3720	3493	2767	2609	3176	2953
7.2	9/32	4673	4388	3448	3237	3539	3323
7.9	5/16	5671	5325	4083	3780	4083	3780
9.4	3/8	7940	8546	5444	5057	5444	5057
11.1	7/16	9382	8769	8467	7925	8480	7962
12.7	1 / 2	11128	10400	10967	10250	10255	9585
14.3	9/16	15165	14173	11892	11114	11892	11114
16.0	5/8	19857	18558	15536	14520	15537	14520

1x19 Construction

Austlift Stainless Steel 1 x19 Wire Ropes have a non-flexible characteristic suitable for all standing rigging, mast stays and applications where the strand rope will not incur bending.

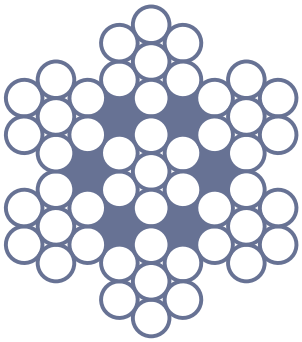
- Sizes from 1.6mm to 4.8mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569. Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 metres reel lengths are available upon request.

CODE	DIAMETER		WEIGHT	CODE
G304	mm	in	kg/100M	G316
800163	1.6	1/16	1.25	-
-	2.0	5/64	2.07	802203
-	3.2	1/8	5.3	802323
800403	4.0	5/32	7.84	802403
800483	4.8	3/16	11.43	802483



STAINLESS STEEL WIRE ROPE

7x7 Construction

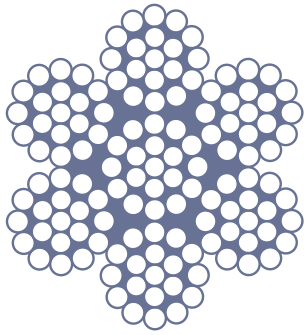


Austlift Stainless Steel 7x7 Wire Ropes have a semi-flexible characteristic suitable for use as Guard Rails, Hand Rails, Luff Wires and Struts.

- Sizes from 1.2mm to 8.0mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569. Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 metres reel lengths are available upon request.

CODE	DIAMETER		WEIGHT	CODE
G304	mm	in	kg/100M	G316
803123	1.2	3/64	1.65	804123
803163	1.6	1/16	2.57	804163
803203	2.0	5/64	4.6	804203
803243	2.4	3/32	6.6	-
803253	2.5	3/32	6.7	804253
803303	3.0	1/8	10.4	804303
803323	3.2	1/8	12.3	804323
803403	4.0	5/32	19.2	804403
803483	4.8	3/16	30	-
-	5.0	-	30.2	804503
-	6.0	1/4	43.6	804603
803803	8.0	5/16	55.3	804803

7x19 Construction



Austlift Stainless Steel 7x19 Wire Ropes have a flexible characteristic suitable for running rigging, Fishing Nets, Slings and any other where flexible rope is required for the application.

- Sizes from 3.0mm to 10mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569. Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 metres reel lengths are available upon request.

CODE	DIAMETER		WEIGHT	CODE
G304	mm	in	kg/100M	G316
801504	3.0	1/8	10.3	807303
801505	3.2	1/8	11.7	807323
801506	4.0	5/32	18.3	807403
801507	4.8	3/16	26.8	807483
801508	5.0	3/16	28.6	807503
801510	6.0	1/4	41.2	807603
801512	8.0	5/16	73.2	807803
801515	10.0	3/8	115	807950

Austlift Stainless Steel Fitting Products
Please check Page 144

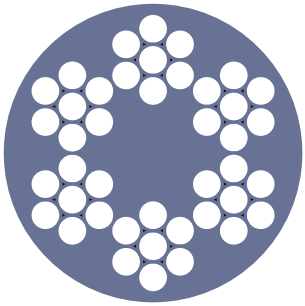
PVC COATED WIRE ROPE

Austlift PVC Coated Galvanized Wire Ropes have a flexible characteristic with polyvinyl chloride UV proof coating suitable for general purpose, Architectural, Marine, Stage/ Theatre or wherever PVC rope is required for the application.

- Sizes available from 2mm - 3mm PVC to 10mm wire – 12mm PVC.
- Normaly supplied in blue. Other colour available upon request. Clear, Black, Red, Yellow.
- Construction of 6x7FC and 6x19FC with standard grade of G1570 available.
- Conforms to AS3569, Test Certificate available with each reel batch.
- Reel lengths available 1,000 metres.
- 500 metre available upon request.

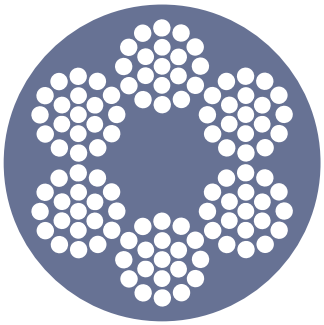
PVC Coated 6x7 + FC G1570

CODE	DIAMETER		MBF	WEIGHT
	Core mm	PVC mm	G1570 kN	kg/100M
810020	2	3	2.1	15
810030	3	4	4.7	32
810035	3.5	5	6.2	42
810040	4	6	8.4	57



PVC Coated 6x19 + FC G1570

CODE	DIAMETER		MBF	WEIGHT
	Wire mm	PVC mm	G1570 kN	kg/100M
811035	3.5	5.0	6.4	4.6
811040	4.0	6.0	8.5	6.1
811050	5.0	7.0	13.2	9.5
811060	6.0	8.0	19.3	13.7
811080	8.0	10	33.3	18.7

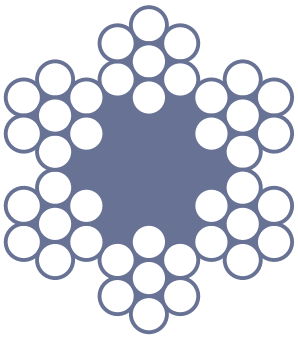


FIBRE CORE GALVANISED WIRE ROPE

6x7 + FC G1570

Austlift 6x7 Fibre Core Galvanized Wire Ropes have a flexible characteristic and suitable for, guying barrier wire, catenary, traveling irrigation cable, marine and general purpose uses wherever rope is required for the application.

- Sizes available from 1.6mm to 8mm with standard grade of G1570.
- Supplied reel lengths available are 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

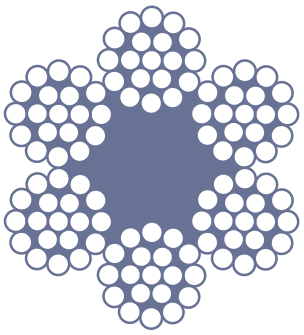


CODE	DIAMETER	MBS	MASS
	mm	G1570 kN	kg/100M
867016	1.6	1.3	0.9
867020	2	2.1	1.4
867025	2.5	3.9	2.1
867030	3	4.7	3.2
867035	3.5	5.6	3.9
867040	4	8.4	5.7
867050	5	13.0	8.9
867060	6	18.7	12.9
867080	8	25.5	17.8

6x19 + FC G1570

Austlift 6x19 Fibre Core Galvanized Wire Ropes have a flexible characteristic and suitable for, engineering, winch, pulling, marine, slings and general purpose uses wherever rope is required for the application.

- Sizes available from 3.0mm to 9mm with standard grade of G1570.
- Supplied reel lengths available are 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

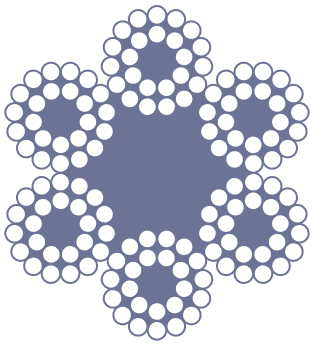


CODE	DIAMETER	MBS	MASS
	mm	G1570 kN	kg/100M
869030	3.0	4.26	3.1
869035	3.5	5.8	4.2
869040	4	7.7	5.5
869050	5	12.0	8.6
869060	6	17.6	12.4
869080	8	30.9	22.1
869090	9	39.1	28.0

6x24+FC G1570

Austlift 6x24 Fibre Core Galvanized Wire Ropes have very flexible characteristic and suitable for, Slings, Static Lines, Hoists, Winches or general purpose uses wherever rope is required for the application.

- Sizes available from 6mm to 24mm with standard grade of G1570.
- Supplied reel lengths available are 500 metre and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.



CODE	DIAMETER	MBS	MASS
1000M Reel	mm	G1570 kN	kg/100M
864060	6	15.8	11.4
864080	8	28.2	20.4
864100	10	44.0	31.8
864120	12	63.3	45.8
864130	13	74.3	53.8
864140	14	86.2	62.4
864160	16	113	81.5
864180	18	143	103
864200	20	176	127
864220	22	213	154
864240	24	253	183

CODE	DIAMETER	MBS	MASS
500M Reel	mm	G1570 kN	kg/100M
864225	22	213	154
864245	24	253	183

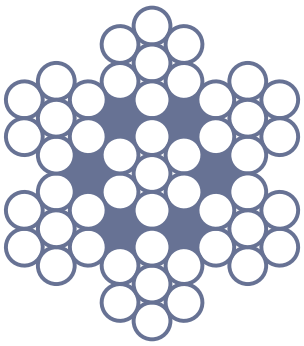
* Some size 1000M Reel available, please check with us.

STEEL CORE GALVANISED Wire Rope

7x7 WSC (G1570 & G2070)

Austlift 7x7 Steel Core galvanized Wire Ropes have a semi-flexible characteristic and suitable for, irrigation wires, guy wires catenary or general purpose uses wherever stiff rope is required for the application.

- Sizes available from 1.6mm to 10mm with standard grade of G1570 and G2070.
- Supplied reel lengths available are 1,000 , 2,000 and 3,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.



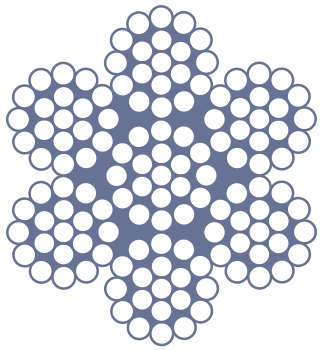
Irrigation Cable

CODE	GRADE	DIAMETER	MBS	MASS
		mm	kN	kg/100M
877016	G1570	1.6	1.73	1.26
877020	G1570	2.0	2.3	1.6
877025	G1570	2.5	3.14	3.0
877025N	G1770	2.5	3.54	3.0
877030	G1570	3.0	5.2	3.6
877040	G1570	4	9.2	6.3
878050	G2070	5	18.8	9.9
878060	G2070	6	27	14.3
878070	G2070	7	37	19.7
878080	G2070	8	47.4	25.2
878090	G2070	9	60	32
878100	G2070	10	74	39.2

7x19 WSC (G2070)

Austlift 7x19 Steel Core galvanized Wire Ropes have a flexible characteristic and suitable for, winch cable, running rigging, control cable, guying or general purpose uses wherever flexible rope is required for the application.

- Sizes available from 3.0mm to 12mm with standard grade of G2070.
- Supplied reel lengths available are 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.



Aircraft Cable

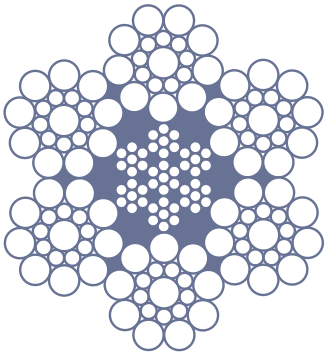
CODE	DIAMETER	MBS	MASS
	mm	G2070 kN	kg/100M
879030	3.0	7.8	3.68
879032	3.2	8.9	4.2
879035	3.5	8.4	4.6
879040	4	11.2	6.1
879050	5	17.4	9.5
879060	6	25.4	13.7
879080	8	43.9	24.4
879100	10	68.6	38.1
879120	12	98.9	54.8

6x19S (9/9/1) + IWRC

Austlift 6x19S Steel Core supplied Wire Ropes have a flexible characteristic and suitable for, logging wire, aerial, winch cable, or Pulling use wherever flexible rope is required for the application.

- Sizes available from 12mm to 28mm with standard grade of 1770 and 2070.
- Black or Galvanized finish in stock.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

	DIA.	MBS	MASS
Black	mm	G1770 kN	kg/100M
822120	12	90.8	60.2
822130**	13	106	70.65
822140**	14	124	82.0
822160**	16	161	107
822185	18	204	129.5
822205	20	252	160
822225	22	305	193.5
822265	26	426	270.5
822285	28	494	313.5



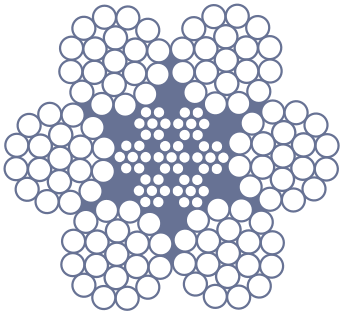
**821140 Gal 14mm, 821160 Gal 16mm deleted stock line available until sold out.

6x25Fi + IWRC

Austlift 6x25 Steel Core Wire Ropes have a flexible characteristic suitable for general engineering, hoisting, slings or general purpose wherever flexible rope is required for the application.

- Sizes available from 9mm to 26mm with standard grade of 1770.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.
- Galvanized finish.

CODE	DIA.	MBS	MASS
Gal*	mm	G1770 kN	kg/100M
826090	9	51.1	34.8
826100	10	63.1	43
826110	11	76.3	52
826165	16	161	110
826185	18	204	138
826205	20	252	167
826225	22	305	202
826265	26	426	283

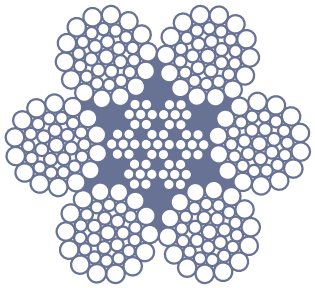


*Limited size available in Black. Please check with us.

6 x36SW + IWRC

Austlift 6x36 Steel Core Wire Ropes have a flexible characteristic and suitable for engineering, slings, derrik cranes or general purpose uses wherever flexible rope is required for the application.

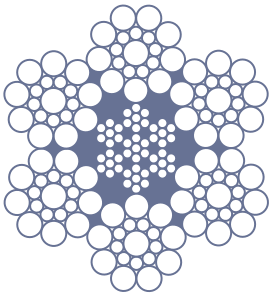
- Sizes available from 14mm to 32mm with standard grade of 1770 and 2070 available.
- Black finish.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.



CODE	DIA. mm	MBS 1770Mpa KN	MASS KG/100M
837145	14	124	84.3
837165	16	161	110
837185	18	204	138
837205	20	252	167
837225	22	305	202
837245	24	363	240.5
837265	26	426	282.2
837285(837286 LHOL)	28	494	327.3

G2070MPa

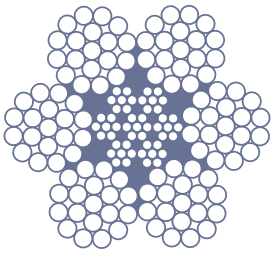
GALVANISED WINCH ROPES



6x19S + IWRC RHOL

Austlift 6x19s & 6x25fi Steel Core Wire Rope have a high strength characteristic and suitable for Wire Rope Hoist or winching purposes uses wherever high capacity rope is required for the application.

- Sizes available are 8.3mm, 11.4mm and 16.4mm
- Galvanized finish, standard grade of 2070 available.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.



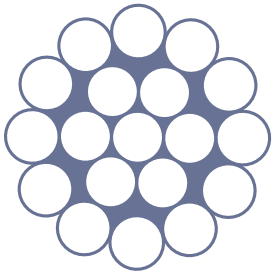
6x25Fi + IWRC RHOL

CODE	DIA. mm	CONSTRUCTION	MBS 2070 MPa kN	MASS kg/100M
821085	8.3	6 X 19S RHOL WRC	47	24.4
825110	11.4	6 X 25FW RHOL WRC	89	50.6
825165	16.4	6 X 25FW RHOL WRC	188	107

Strand 1X19

Austlift 1x19 Galvanized Strand Class A Wire Ropes have a Non-flexible characteristic and suitable for guy wires, architectural rigging, support ropes or uses wherever non-flexible rope is required for the application.

- Sizes from 8mm to 20mm with standard grade G1570 available.
- Class A Galvanized finish for optimum corrosion resistance.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS 2841, Test Certificate available with each reel.



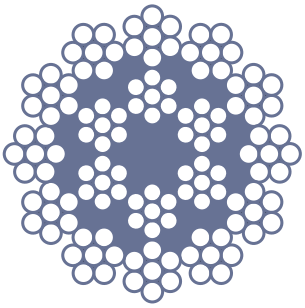
CODE	DIAMETER	MBS	MASS
	mm	1570MPa	kg/100M
891080	8	56.3	32.2
891100	10	88	50.4
891120*	12	126	72.6
891140	14	172	98.8
891165*	16	210	129
891185*	18	265	163
891205*	20	368	212

*Non- stocked item.

18x7 FC Wire Rope

Austlift 18x7 non-rotating Wire Ropes have a non-spin characteristic suitable for lifting rope on cranes.

- Sizes available from 6mm to 19mm with standard grade of 2070.
- Black and Galvanized finish.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

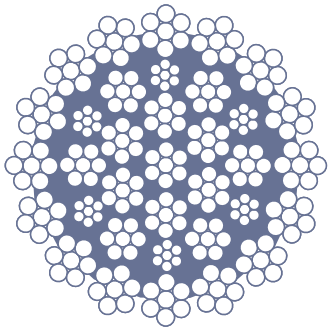


Non Rotating

CODE	DIAMETER	MBS	MASS
500M	mm	2070 kN	kg/100M
887065	6	23.7	13.8
887085	8	42.1	24.5
887095	9	53.4	31
887105	10	66.1	38.3
887115	11	79.8	46.3
887125	12	95	55.1
887135	13	111	64.7
887145	14	130	75
887165	16	168	98

CRANE ROPES

35Wx7 WSC Wire Rope



Non Rotating

Austlift 35x7 non-rotating Wire Ropes have a Non-spin characteristic suitable for lifting rope on cranes.

- Sizes available from 12mm to 24mm with standard grade of 2070.
- Black and Galvanized finish.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

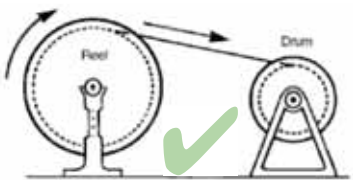
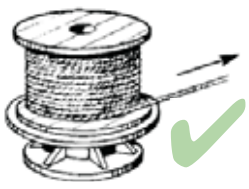
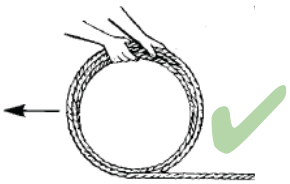
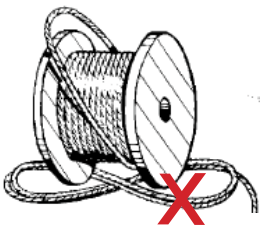
CODE	DIAMETER	MBS	MASS
500M	mm	2070 kN	kg/100M
888125	12	93.1	56.2
888135	13	109.2	65.9
888145	14	129.6	78.7
888165	16	169.2	102.8
888185	18	240	129.7
888195	19	239.3	144.9
888205	20	265.2	160.6
888225	22	320.4	194.5
888245	24	381.6	231.6

WIRE ROPE INTRODUCTION

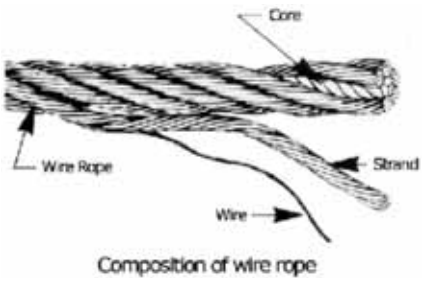
CORRECT STORAGE AND HANDLING

Store wire away from moisture and not directly on the floor. When wire is to be stored for a long period, reels should be turned over as lubricants can settle — especially in hot climates. Check lubricant when using wire that has been stored. Add new lubricant if necessary.

CORRECT STORAGE AND HANDLING

Correct Method of handling Wire Rope			
Incorrect handling of Wire Rope			

GENERAL DESCRIPTION

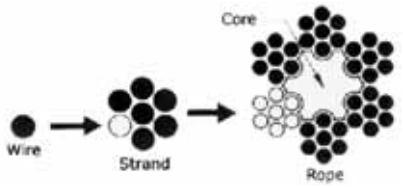


Composition of wire rope

Steel Wire Ropes are made up of a number of Strands which are composed of a number of wires laid or wound around a central Core in a symmetrical manner, with uniform pitch and direction. The result is a strong, flexible and versatile product, with a variety of applications from boat winch cables to structural suspension bridges and cranes. Steel Wire Ropes can be supplied in various sizes, constructions, grades and finishes depending upon the application.

WIRE ROPE CONSTRUCTION

The main components of a Wire Rope are shown below.

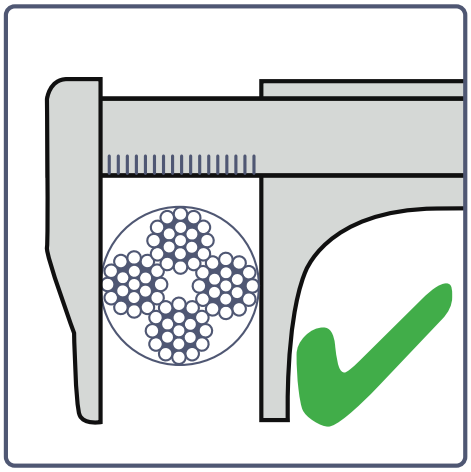


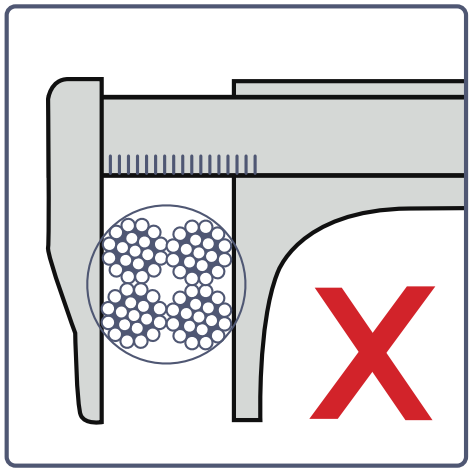
In the above example, each individual wire is arranged around a central wire to form a 7-wire strand. Six of these strands are formed around a central core to make a Wire Rope. The rope is specified as 6x7 (6/1) - i.e. six strands each of seven wires.

The size and number of wires in each strand, as well as the size and number of strands in the rope greatly affect the characteristics of the rope. In general, a large number of small-size wires and strands produce a flexible rope with good resistance to bending fatigue. The rope construction is also important for tensile loading (static, live or stock), abrasive wear, crushing, corrosion and rotation.

HOW TO MEASURE WIRE ROPE

Ropes are referred to by a diameter size.
The correct way to measure Wire Rope:


Correct Method


Incorrect Method

WIRE ROPE TERMINOLOGY

Round Strand Rope
A stranded rope in which the strands are made of wires disposed in such a manner that the cross-section of the strand is approximately circular in shape.

Triangular Strand Rope
A stranded rope in which the strands are made of wires disposed in such a manner that the cross-section of the strand is approximately triangular in shape.

Multi-Strand Rope
(sometimes called "non-rotating")
A stranded rope in which two Or more layers of strand are spun helically around the main core. The layers of strands are so disposed that, when under tension, the rope will have the minimum obtainable torque or rotational tendency.

Layer
A group of strands in a rope or a group of wires in a strand spun concentrically around the core.

Main Core of Rope
The core of the rope around which the strands are spun. Fibre core — A main core which is itself a fibre rope. I.W.R.C. — A main core which is itself an independent Wire Rope.

Tensile Grade of Wire
The value of tensile strength used to designate the minimum of the tensile strength range.

Galvanized Wire
Wire which has been zinc coated by one of the permissible processes. The quality of the galvanized coating is defined by its weight, evenness and adherence. Different classes are designated conventionally by a letter (e.g. Class A or Z).

Ordinary (Regular) Lay Rope
Ropes in which the direction of lay of the outer layer of wires in the strands, is opposite to the direction of lay of the strands in the rope.

Langs Lay Rope
Ropes in which the direction of the outer layer of wires in the strands is the same as the direction of lay of the strands in the rope.

Lay Length
That distance in a strand of rope, measured parallel to the longitudinal axis, in which the wire in the strand or the strand in the rope makes one complete turn (or helix) about the axis of the strand or rope.

Minimum Breaking Load
The breaking load below which a sample of the rope will not fracture when tested to destruction in the prescribed manner. The value is calculated from the product of the square of the nominal diameter of the rope, the tensile grade of the wire and a co-efficient appropriate to the construction of the rope.

Actual Breaking Load
The maximum load obtained in testing a sample of the rope to destruction in the prescribed manner.

Calculated Breaking Load
The value calculated from the product of the sum of the cross-sectional metallic area of the individual wires in the rope and the tensile grade of the wire. This metallic area can be associated directly with the square of the nominal diameter

Factor of Safety
For the purpose of this publication, this is the ratio between the minimum breaking load and the tensile load in the rope.

AUSTRALIAN LIFTING CENTRE PTY LTD

SLINGS
RECOVERY STROPS

AUSTLIFT®

1300 100 120

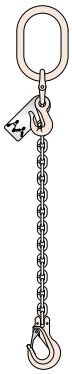
WWW.AUSTLIFT.COM.AU

Contents

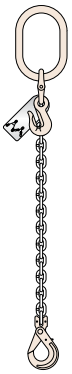
Polyester Round Slings	*168*
Flat Webbing Sling	*170*
Recovery Tow Strops	*171*
Nylon (Black Snake)	*171*
Kevlar (Black Snake)	*171*
Pre-Assembled Grade 80 Chain Slings	*172*
Machine Spliced Wire Rope Slings	*176*
Sling's Safe Working Load Limit Chart	*176*
Working Load Limits (Tonnes)	*177*
Correct Selection Of Slings	*178*
Austlift Slings Lifting Chart	*178*

AN ILLUSTRATION OF DIFFERENT SLING TYPES

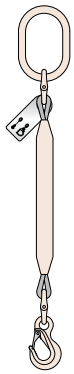
1 Leg Wire Sling
Thimble Eyes



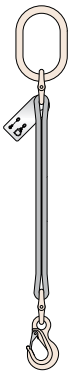
1 Leg Chain Sling
Grab & Sling hook



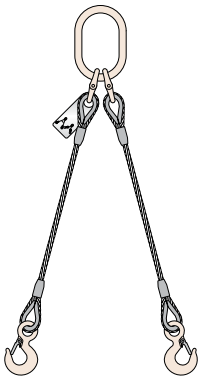
1 Leg Chain Sling
Grab & Self lock hook



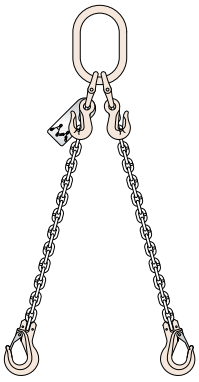
1 Leg Web Sling
Sling hook



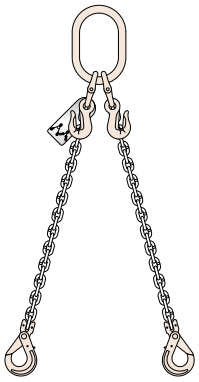
1 Leg Round Sling
Sling hook



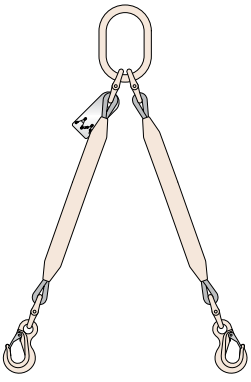
2 Leg Wire Sling
Thimble Eyes



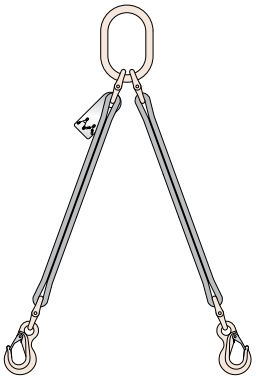
2 Leg Chain Sling
Grab & Sling hook



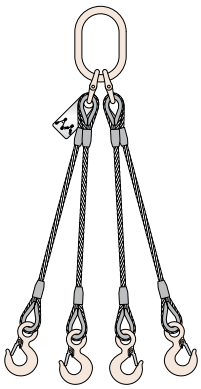
2 Leg Chain Sling
Grab & Self lock hook



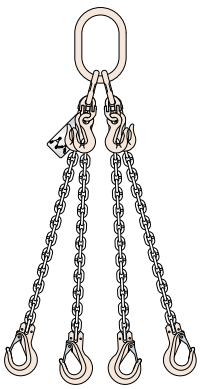
2 Leg Web Sling
Sling hook



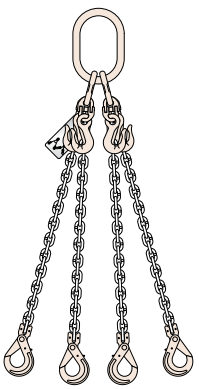
2 Leg Round Sling
Sling hook



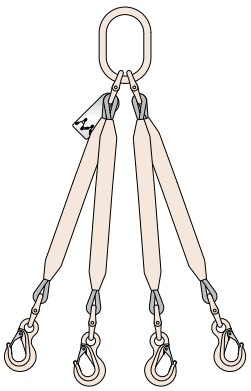
4 Leg Wire Sling
Thimble Eyes



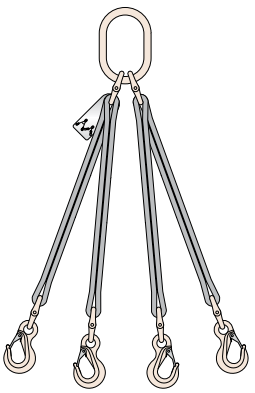
4 Leg Chain Sling
Grab & Sling hook



4 Leg Chain Sling
Grab & Self lock hook



4 Leg Web Sling
Sling hook



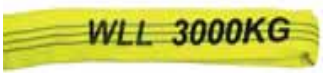
4 Leg Round Sling
Sling hook

Polyester Round Slings

Every Austlift Sling is proof tested, individually serial numbered, tagged and comes with Test Certificate. Fabricated using 100% high tenacity polyester yarn and wound in a continuous hank to form an endless Sling. A durable and specially woven, 100% polyester non-load bearing tubular sleeve to give maximum wear protection to the yarn hank. Conforms to Australian Standard AS4497.1.

RS 1,000KG	VIOLET
CODE	LENGTH(M)
900105	0.5
900110	1.0
900115	1.5
900120	2.0
900125	2.5
900130	3.0
900135	3.5
900140	4.0
900150	5.0
900160	6.0
900180	8.0
900191	10.0

RS 2,000KG	GREEN
CODE	LENGTH(M)
900205	0.5
900207	0.7
900210	1.0
900215	1.5
900220	2.0
900225	2.5
900230	3.0
900235	3.5
900240	4.0
900250	5.0
900260	6.0
900270	7.0
900280	8.0
900291	10.0



RS 3,000KG	YELLOW
CODE	LENGTH(M)
900305	0.5
900310	1.0
900315	1.5
900320	2.0
900325	2.5
900330	3.0
900335	3.5
900340	4.0
900345	4.5
900350	5.0
900355	5.5
900360	6.0
900380	8.0
900391	10.0

RS 4,000KG	GREY
CODE	LENGTH(M)
900405	0.5
900410	1.0
900415	1.5
900420	2.0
900425	2.5
900430	3.0
900435	3.5
900440	4.0
900445	4.5
900450	5.0
900455	5.5
900460	6.0
900480	8.0
900491	10.0

RS 5,000KG	RED
CODE	LENGTH (M)
900510	1.0
900515	1.5
900520	2.0
900525	2.5
900530	3.0
900535	3.5
900540	4.0
900545	4.5
900550	5.0
900555	5.5
900560	6.0
900580	8.0
900591	10.0

RS 6,000KG	BROWN
CODE	LENGTH (M)
900610	1.0
900615	1.5
900620	2.0
900625	2.5
900630	3.0
900635	3.5
900640	4.0
900645	4.5
900650	5.0
900655	5.5
900660	6.0
900680	8.0
900691	10.0

RS 8,000KG	BLUE
CODE	LENGTH (M)
900810	1.0
900815	1.5
900820	2.0
900825	2.5
900830	3.0
900835	3.5
900840	4.0
900845	4.5
900850	5.0
900855	5.5
900860	6.0
900880	8.0
900891	10.0

RS 10,000KG	ORANGE
CODE	LENGTH (M)
901010	1.0
901015	1.5
901020	2.0
901025	2.5
901030	3.0
901035	3.5
901040	4.0
901045	4.5
901050	5.0
901055	5.5
901060	6.0
901080	8.0
901100	10.0

RS 12,000KG	ORANGE
CODE	LENGTH (M)
901230	3.0
901240	4.0
901250	5.0
901260	6.0
901280	8.0
901291	10.0
901292	12.0

RS 40,000KG	ORANGE
CODE	LENGTH (M)
904050	5.0

RS 15,000KG	ORANGE
CODE	LENGTH (M)
901520	2.0
901560	6.0
901580	8.0
901592	12

RS 50,000KG	ORANGE
CODE	LENGTH (M)
905040	4.0
905060	6.0
905070	7.0
905080	8.0
905100	10.0

RS 20,000KG	ORANGE
CODE	LENGTH (M)
902015	1.5
902020	2.0
902025	2.5
902030	3.0
902040	4.0
902045	4.5
902050	5.0
902060	6.0
902080	8.0
902100	10.0
902120	12.0

RS 30,000KG	ORANGE
CODE	LENGTH (M)
903025	2.5
903050	5.0
903060	6.0
903080	8.0
903100	10.0
903105	15.0

Flat Webbing Sling

AustLift Flat Webbing Slings are manufactured to the specifications of Australian Lifting Centre & according to Australian Standard AS1353.1. Fabricated using 100% high tenacity polyester yarn and sewn with 2ply webbing. A durable and specially woven, 100% polyester with standard folded eyes that incorporates eye wear padding to provide maximum protection around the eyes. Each Sling is proof tested, individually serial numbered, tagged and complete with Test Certificates.

Note: Other variations available upon request

FS 1,000KG VIOLET	
width: 50mm	
CODE	LENGTH (M)
910105	0.5
910110	1.0
910115	1.5
910120	2.0
910125	2.5
910130	3.0
910135	3.5
910140	4.0
910145	4.5
910150	5.0
910155	5.5
910160	6.0
910170	7.0
910180	8.0
910190	9.0
910191	10.0

FS 2,000KG GREEN	
width: 60mm	
CODE	LENGTH (M)
910205	0.5
910210	1.0
910215	1.5
910220	2.0
910225	2.5
910230	3.0
910235	3.5
910240	4.0
910245	4.5
910250	5.0
910255	5.5
910260	6.0
910270	7.0
910280	8.0
910290	9.0
910291	10.0

FS 3,000KG YELLOW	
width: 90mm	
CODE	LENGTH(M)
910310	1.0
910315	1.5
910320	2.0
910325	2.5
910330	3.0
910335	3.5
910340	4.0
910345	4.5
910350	5.0
910355	5.5
910360	6.0
910365	6.5
910370	7.0
910380	8.0
910391	10.0

FS 4,000KG GREY	
width: 120mm	
CODE	LENGTH(M)
910410	1.0
910415	1.5
910420	2.0
910425	2.5
910430	3.0
910435	3.5
910440	4.0
910450	5.0
910460	6.0
910470	7.0
910480	8.0
910491	10.0

FS 5,000KG RED	
width: 120mm	
CODE	LENGTH(M)
910515	1.5
910520	2.0
910530	3.0
910540	4.0
910550	5.0
910560	6.0
910570	7.0
910580	8.0
910590	9.0
910591	10.0

FS 6,000KG BROWN	
width: 150mm	
CODE	LENGTH(M)
910615	1.5
910620	2.0
910630	3.0
910640	4.0
910650	5.0
910660	6.0
910670	7.0
910680	8.0
910690	9.0
910691	10.0
910692	12.0

FS 8,000KG BLUE	
width: 240mm	
CODE	LENGTH(M)
910815	1.5
910820	2.0
910830	3.0
910840	4.0
910850	5.0
910860	6.0
910870	7.0
910880	8.0
910890	9.0
910891	10.0

FS 10,000KG ORANGE	
width: 300mm	
CODE	LENGTH(M)
911030	3
911040	4
911050	5
911060	6
911080	8
911100	10

FS 15,000KG ORANGE	
width: 200mm	
CODE	LENGTH(M)
911560	6

Note: Other variations available upon request

Nylon (Black Snake)

Features

- Abrasion & cut resistant rubber
- Highstrength Nylon 6.6 load bearing core
- Individual serial number for traceability
- Smooth stretch (20%) assists recovery
- Safety in handling is a key feature & cleaning is not required after use
- Very flexible & light for access into awkward spaces & for attachment devices
- Easy to install with oval shaped eyelets sized to fit standard connections
- Oil, water, mud, & dust proof
- Far superior durability compared to fabric snatch-straps

Application

8 Tonne – 30 Tonne Break Strength:

Recreational 4WD & light commercial vehicles use the high eleasticity (20%) & robust construction for recovery & towing use.

50 Tonne –150 Tonne Break Strength:

Heavy Commercial, Industrial, Military vehicles use the high strength, light weight, elasticity (20%) & robust construction for recovery & towing use.

Kevlar (Black Snake)

Features

- Abrasion & cut resistant rubber with a minimum 10mm thickness
- Very high strenth Kevlar fibre load bearing core
- Ultra high strength to weight ratio
- Individual serial number for traceability
- Low & uniform elasticity (4%)
- Safety in handling is a key feature & cleaning
- Very flexible & light for access into awdward spaces & for attachment devices
- Easy to install with steel eyelets sized to fit standard Shackle/pin connections
- Superior durability compared to fabric snatch straps
- Oil, water, mud & dust proof
- Industrial grade machined steel inserts in eyelets
- Machined holes in eyelets to accept standard Shackle Pins
- Special eyelet configurations available on request

Other sizes & configurations available.

Application

Heavy commercial, industrial, military, & mining vehicles use the ultra high strength to weight ration & robust construction for recovery & towing use.

HOW TO DETERMINE THE MAXIMUM RECOMMENDED WEIGHT – TOWED OR BOGGED VEHICLE

STROP SIZE Breaking Strength	BOGGED VEHICLES Gross vehicle weight (G.V.W) of recovered or towed machine given inTonnes			TOWING ON INCLINED ROADWAYS Gross vehicle wieght (G.V.W) of recovered or towed machine given in Tonnes		
Tonne	Lightly bogged Slippery Conditions	Medium Bogged	Severly Bogged	10-1 Slope 10% Grade 6° incline	6-1 Slope 16% grade 9.5° incline	4-1 Slope 25% Grade 14° incline
8	16	8	5	30	20	12
12	24	12	8	50	30	20
15	30	15	10	60	40	25
20	40	20	15	80	50	35
30	60	30	20	120	80	50
50	100	50	35	200	130	80
70	140	70	50	270	180	120
100	200	100	70	400	250	170
150	300	150	100	600	380	250
200	400	200	140	800	500	340
300	600	300	200	1200	750	500

We will manufacture to suit your requirements. (6-8 weeks lead time)

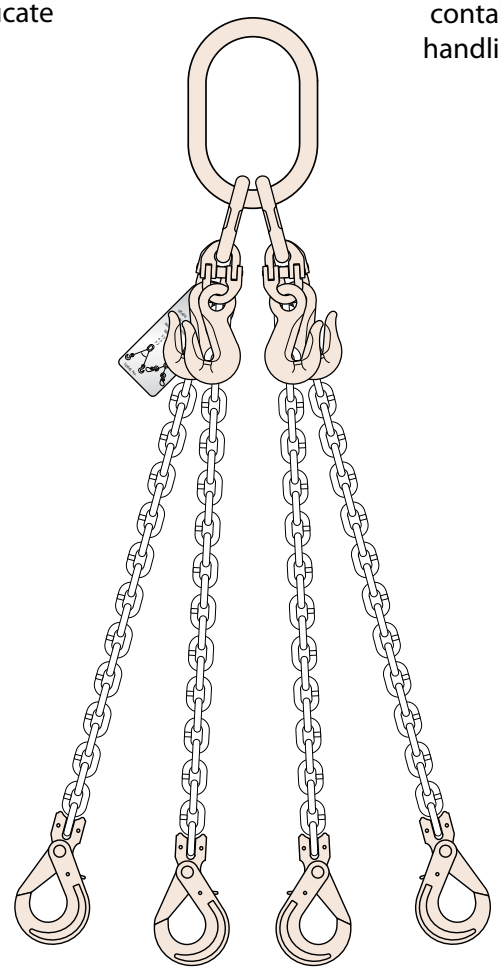
PRE-ASSEMBLED GRADE 80 CHAIN SLINGS

- Complies to AS3775.1–2004
- Proof tested with Test Certificate & Stainless Steel WLL Safety Tag
- Plastic bucket & Lid provided with Sling Kits
- Other sizes & capacities available

Fitted with WLL Safety tag

Slings accompany Test Certificate

Packed in PVC container for easy handling & storage



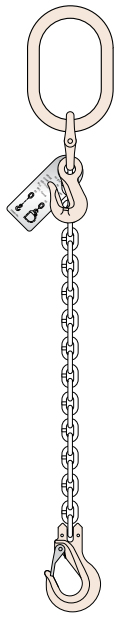
Hints on ordering Chain Slings

- **How many legs you require for the chain Sling ?**
- **What size of chain you require or if not sure what is the maximum load to be lifted ?**
- **How long are the chain legs you require ?**
- **Do you require shorteners (grab hooks) on top of the Sling ?**
- **What end fitting (hooks) do you require on the end of the Sling ?**

Single (1) Leg Chain Sling

c/w Eye Grab Hook & Clevis Sling Hook + Safety Latch

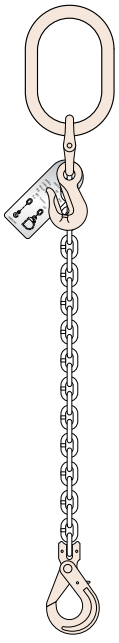
CODE	CHAIN SIZE	Sling LENGTH
	mm	M
920611	6	1
920612	6	2
920613	6	3
920614	6	4
920615	6	5
920616	6	6
920711	7	1
920712	7	2
920713	7	3
920714	7	4
920715	7	5
920716	7	6
920811	8	1
920812	8	2
920813	8	3
920814	8	4
920815	8	5
920816	8	6
921011	10	1
921012	10	2
921013	10	3
921014	10	4
921015	10	5
921016	10	6
921311	13	1
921312	13	2
921313	13	3
921314	13	4
921315	13	5
921316	13	6



Single (1) Leg Chain Sling

c/w Eye Grab Hook & Clevis Self Locking Hook

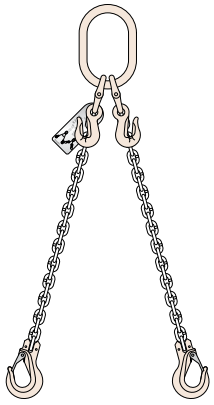
CODE	CHAIN SIZE	Sling LENGTH
	mm	M
930611	6	1
930612	6	2
930613	6	3
930614	6	4
930615	6	5
930616	6	6
930711	7	1
930712	7	2
930713	7	3
930714	7	4
930715	7	5
930716	7	6
930811	8	1
930812	8	2
930813	8	3
930814	8	4
930815	8	5
930816	8	6
931011	10	1
931012	10	2
931013	10	3
931014	10	4
931015	10	5
931016	10	6
931311	13	1
931312	13	2
931313	13	3
931314	13	4
931315	13	5
931316	13	6



PRE-ASSEMBLED GRADE 80 CHAIN SLINGS

Double (2) Leg Chain Sling

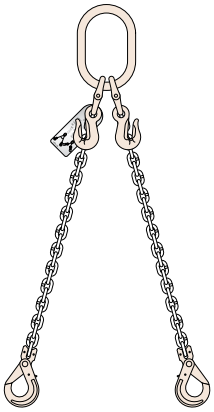
c/w Eye Grab Hook & Clevis Sling Hook + Safety Latch



CODE	CHAIN SIZE	Sling LENGTH
	mm	M
940621	6	1
940622	6	2
940623	6	3
940624	6	4
940625	6	5
940626	6	6
940721	7	1
940722	7	2
940723	7	3
940724	7	4
940725	7	5
940726	7	6
940821	8	1
940822	8	2
940823	8	3
940824	8	4
940825	8	5
940826	8	6
941021	10	1
941022	10	2
941023	10	3
941024	10	4
941025	10	5
941026	10	6
941321	13	1
941322	13	2
941323	13	3
941324	13	4
941325	13	5
941326	13	6

Double (2) Leg Chain Sling

c/w Eye Grab Hook & Clevis Self Locking Hook

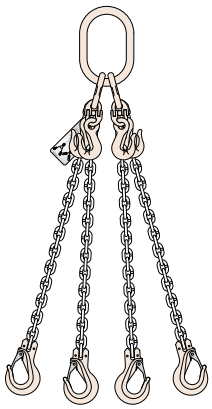


CODE	CHAIN SIZE	Sling LENGTH
	mm	M
950621	6	1
950622	6	2
950623	6	3
950624	6	4
950625	6	5
950626	6	6
950721	7	1
950722	7	2
950723	7	3
950724	7	4
950725	7	5
950726	7	6
950821	8	1
950822	8	2
950823	8	3
950824	8	4
950825	8	5
950826	8	6
951021	10	1
951022	10	2
951023	10	3
951024	10	4
951025	10	5
951026	10	6
951321	13	1
951322	13	2
951323	13	3
951324	13	4
951325	13	5
951326	13	6

Quad (4) Leg Chain Sling

c/w Eye Grab Hook & Clevis Sling Hook + Safety Latch

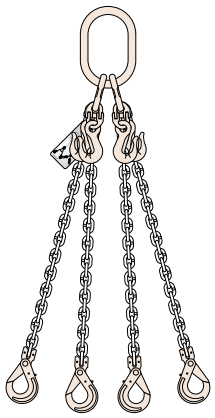
CODE	CHAIN SIZE	Sling LENGTH
	mm	M
960641	6	1
960642	6	2
960643	6	3
960644	6	4
960645	6	5
960646	6	6
960741	7	1
960742	7	2
960743	7	3
960744	7	4
960745	7	5
960746	7	6
960841	8	1
960842	8	2
960843	8	3
960844	8	4
960845	8	5
960846	8	6
961041	10	1
961042	10	2
961043	10	3
961044	10	4
961045	10	5
961046	10	6
961341	13	1
961342	13	2
961343	13	3
961344	13	4
961345	13	5
961346	13	6



Quad (4) Leg Chain Sling

c/w Eye Grab Hook & Clevis Self Locking Hook

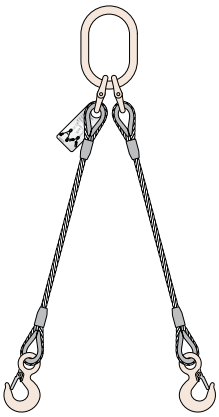
CODE	CHAIN SIZE	Sling LENGTH
	mm	M
970641	6	1
970642	6	2
970643	6	3
970644	6	4
970645	6	5
970646	6	6
970741	7	1
970742	7	2
970743	7	3
970744	7	4
970745	7	5
970746	7	6
970841	8	1
970842	8	2
970843	8	3
970844	8	4
970845	8	5
970846	8	6
971041	10	1
971042	10	2
971043	10	3
971044	10	4
971045	10	5
971046	10	6
971341	13	1
971342	13	2
971343	13	3
971344	13	4
971345	13	5
971346	13	6



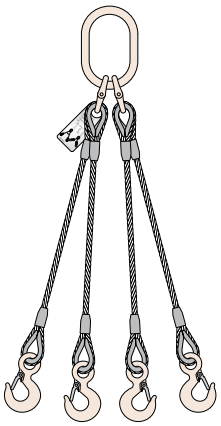
MACHINE SPLICED WIRE ROPE SLINGS

- Manufactured to AS 1666.1
- Test Certificates supplied with all Slings
- Wire Rope quoted will be 6x24FC G1570 grade construction
- All Slings quoted come complete with soft eyes only
- British Standard Thimbles extra upon request
- Hand spliced Wire Rope Sling available

Single Leg Sling



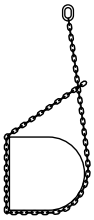
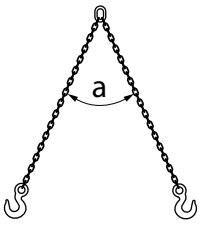
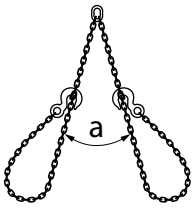
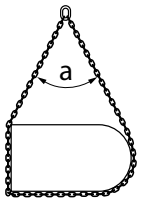
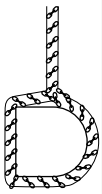
Two Leg Sling
with Hooks



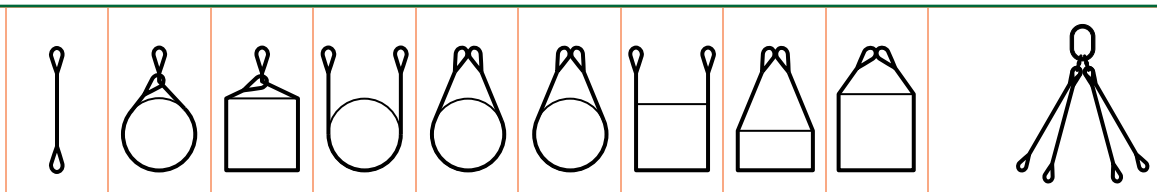
Four Leg Sling
with Hooks

WORKING LOAD LIMITS (TONNES)

GRADE 80 (T) CHAIN SLINGS

										ENDLESS SLING			
													
DIA	DIRECT LOAD	ADJUSTABLE SLING	CHOKE HITCH	DIRECT LOAD			REEVED SLING			BASKET HITCH			REEVED SLING
				60º	90º	120º	60º	90º	120º	60º	90º	120º	
6	1.1	1.1	0.8	1.9	1.6	1.1	1.5	1.2	0.8	1.5	1.2	0.8	1.7
7	1.5	1.5	1.1	2.6	2.1	1.5	2.0	1.6	1.1	2.0	1.6	1.1	2.3
8	2.0	2.0	1.5	3.5	2.8	2.0	2.6	2.1	1.5	2.6	2.1	1.5	3.0
10	3.2	3.2	2.4	5.5	4.5	3.2	4.1	3.4	2.4	4.1	3.4	2.4	4.8
13	5.3	5.3	4.0	9.2	7.5	5.3	6.9	5.6	4.0	6.9	5.6	4.0	8.0
16	8.0	8.0	6.0	13.8	11.3	8.0	10.4	8.5	6.0	10.4	8.5	6.0	12.0
20	12.5	12.5	9.4	21.6	17.6	12.5	16.3	13.3	9.4	16.3	13.3	9.4	18.8
22	15.0	15.0	11.3	26.0	21.2	15.0	19.5	15.9	11.3	19.5	15.9	11.3	22.5
26	21.2	21.2	15.9	36.7	29.9	21.2	27.6	22.5	15.9	27.6	22.5	15.9	31.8
32	31.5	23.6	23.6	54.5	44.4	31.5	41.0	33.4	23.6	41.0	33.4	23.6	47.3

SLING'S SAFE WORKING LOAD LIMIT CHART



ROPE Ø	REEVE LOAD			Round Basket Load			Oblong Basket Load			2,3 or 4 Leg Sling		
mm	Straight	Round	Oblong	0°	60°	90°	0°	60°	90°	0°– 60°	90°	120°
8	0.55	0.41	0.27	1.09	0.94	0.77	0.55	0.48	0.39	0.94	0.77	0.55
9	0.69	0.52	0.34	1.38	1.19	0.97	0.69	0.60	0.49	1.19	0.97	0.69
10	0.85	0.64	0.43	1.70	1.47	1.20	0.85	0.74	0.61	1.47	1.20	0.85
11	1.03	0.77	0.52	2.10	1.78	1.45	1.03	0.90	0.73	1.78	1.45	1.03
12	1.23	0.92	0.61	2.50	2.10	1.73	1.23	1.07	0.87	2.10	1.73	1.23
13	1.44	1.08	0.72	2.90	2.50	2.00	1.44	1.25	1.02	2.50	2.00	1.44
14	1.67	1.25	0.83	3.30	2.90	2.40	1.67	1.45	1.19	2.90	2.40	1.67
16	2.20	1.64	1.09	4.40	3.80	3.10	2.20	1.90	1.55	3.80	3.10	2.20
18	2.80	2.10	1.38	5.50	4.80	3.90	2.80	2.40	1.87	4.80	3.90	2.80
20	3.40	2.60	1.70	6.80	5.90	4.80	3.40	3.00	2.40	5.90	4.80	3.40
22	4.10	3.10	2.10	8.30	7.10	5.80	4.10	3.60	2.90	7.10	5.80	4.10
24	4.90	3.70	2.50	9.80	8.50	6.90	4.90	4.30	3.50	8.50	6.90	4.90
26	5.80	4.30	2.90	11.5	10.0	8.10	5.80	5.00	4.10	10.0	8.10	5.80
28	6.70	5.00	3.30	13.4	11.6	9.40	6.70	5.80	4.70	11.6	9.40	6.70
32	8.70	6.50	4.40	17.4	15.1	12.3	8.70	7.60	6.20	15.1	12.3	8.70

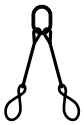
Notes for Wire Rope Sling lift mode chart

- The Working Load Limit values include a reduction factor of 0.95 this applies only to Slings with machine spliced eyes.
- Based on a safety factor of 5 to 1, the table apply to Slings used for general purpose lifting applications.
- The Sling shall be derated when the Sling is subject to unusual dynamic loading.
- The load factors and values are based on single part Sling leg.
- The Working Load Limit values may be increased by 50% for double-part Sling legs.
- Ensure that Wire Rope Slings have adequately protected from contact with sharp edges.
- Where the Ferrules sit on the Wire Rope Sling they shouldn't be bent around edges or sharp corners during loading.
- For Slings with other types of termination, the relevant factor for terminations shall be used.

Notes for 2,3 and 4 leg mode chart

- Where an endless Sling or soft eye of a Sling interfaces with a fitting the supporting surface of the fitting shall have a diameter not less than the rope diameter. Where the diameter of such a fitting is less than two rope diameters the Sling shall be derated by 50%.
- This method of rating general-purpose multi-leg Slings follows the principle that loads could be supported by only two legs, the other legs only balancing the load. It makes allowance for adverse conditions, such as un-equal leg lengths, an uneven load shape, a rigid load and an off-centred centre of gravity.
- The WLL for a multi-leg Sling having an included angle of 60 degrees between the legs is the maximum WLL for the Sling, even when the included angle between the legs is less than 60 degrees. Under no circumstances should the included angle between the legs of a multi-leg Sling be allowed to exceed 120 degrees. The WLL of lifting components and end fittings of a multi-leg Sling should be considered when determining the maximum WLL of the Sling.

AUSTLIFT SLINGS LIFTING CHART

	M=1.0	M=0.8	M=2.0	M=1.9	M=1.7	M=1.4	M=1.0	M=1.7	 M=1.4
COLOR CODE	VERTICAL WLL	CHOKE WLL	BASKET WLL	30° WLL	60° WLL	90° WLL	120° WLL	60° WLL	60° CHOKE WLL
	kg	kg	kg	kg	kg	kg	kg	kg	kg
VIOLET	1000	800	2000	1900	1700	1400	1000	1700	1400
GREEN	2000	1600	4000	3800	3400	2800	2000	3400	2800
YELLOW	3000	2400	6000	5700	5100	4200	3000	5100	4200
GREY	4000	3200	8000	7600	6800	5600	4000	6800	5600
RED	5000	4000	10000	9500	8500	7000	5000	8500	7000
BROWN	6000	4800	12000	11400	10200	8400	6000	10200	8400
BLUE	8000	6400	16000	15200	13600	11200	8000	13600	11200
ORANGE	10000	8000	20000	19000	17000	14000	10000	17000	14000
ORANGE	12000	9600	24000	22800	20400	16800	12000	20400	16800
ORANGE	15000	12000	30000	29500	25500	21000	15000	25500	21000
ORANGE	20000	16000	40000	38000	34000	28000	20000	34000	28000
ORANGE	30000	24000	60000	57000	51000	52000	30000	51000	52000
ORANGE	50000	40000	100000	95000	85000	70000	50000	85000	70000

* Remember the maximum WLL depends on the angle.

CORRECT SELECTION OF SYNTHETIC FLAT AND ROUND SLINGS

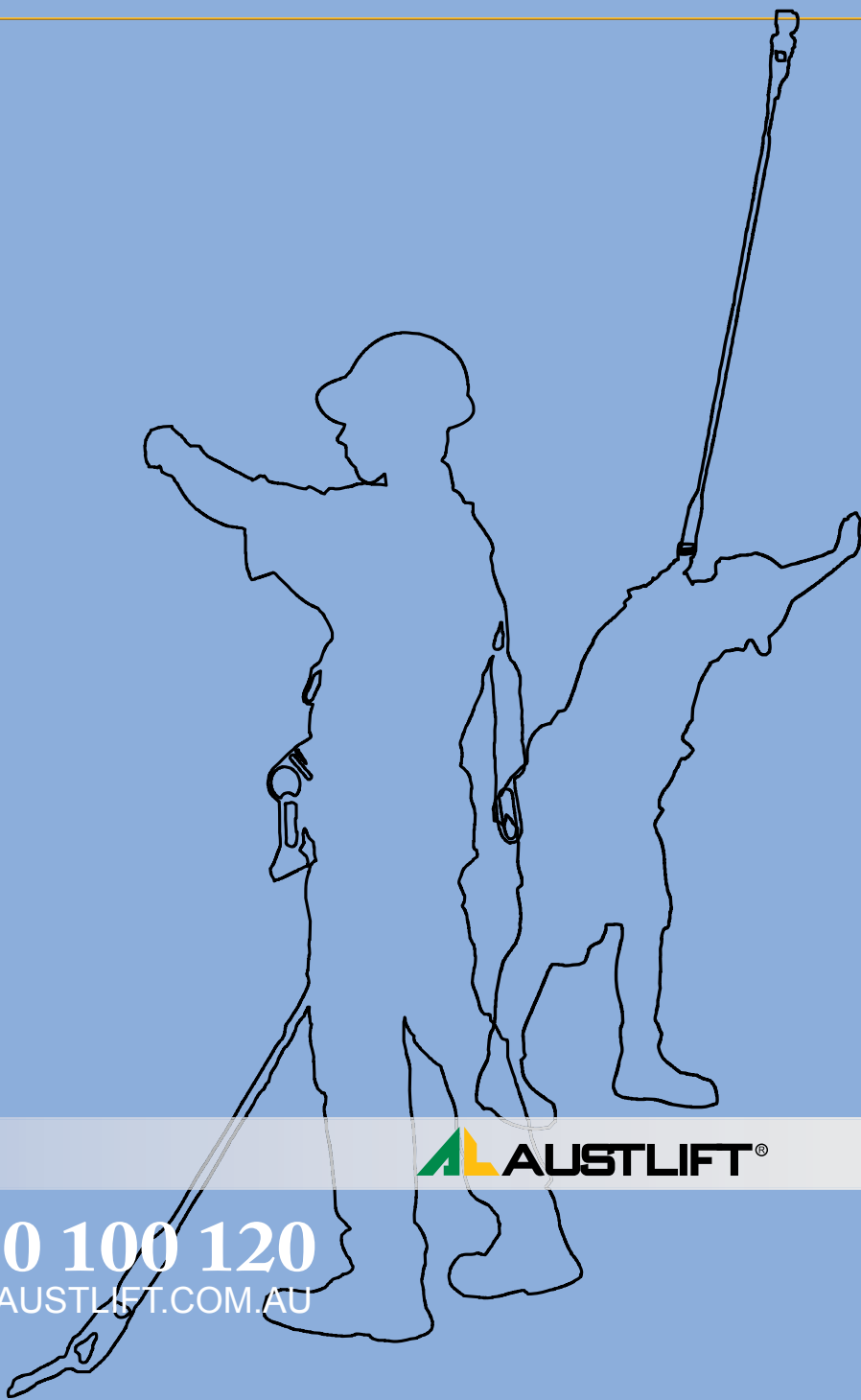
- There are a few things to consider when selecting the correct Sling for intended lifting operation.
- How many Slings required to conduct the lift safely.
- Select which Sling (flat or round) that will safely lift the load.
- Determine the load weight to be lifted take into account of the angle of the lift.
- Select the correct lifting mode to do the lift see chart above.
- Consider the correct length of Sling to lift the load.
- Does the lift require other fittings eg: Shackles Lifting Points etc…
- If object to be lifted has any sharp edges then protective sleeving should be considered.
- Consider the lifting environment such as hazardous chemicals and extreme temperature conditions that affect the safe use of the Sling.
- If you require further assistance selecting the correct Sling, contact our friendly staff at Australian Lifting Centre.

AUSTLIFT G100 CHAIN SLING

Austlift can make G100 Chain Slings
to your requirement.
Please call 1300 100 120 for a quote.

AUSTRALIAN LIFTING CENTRE PTY LTD

PERSONAL PROTECTION EQUIPMENT



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LoadMax®

AUSTLIFT®

LIFTING YOUR BUSINESS TO A HIGHER LEVEL

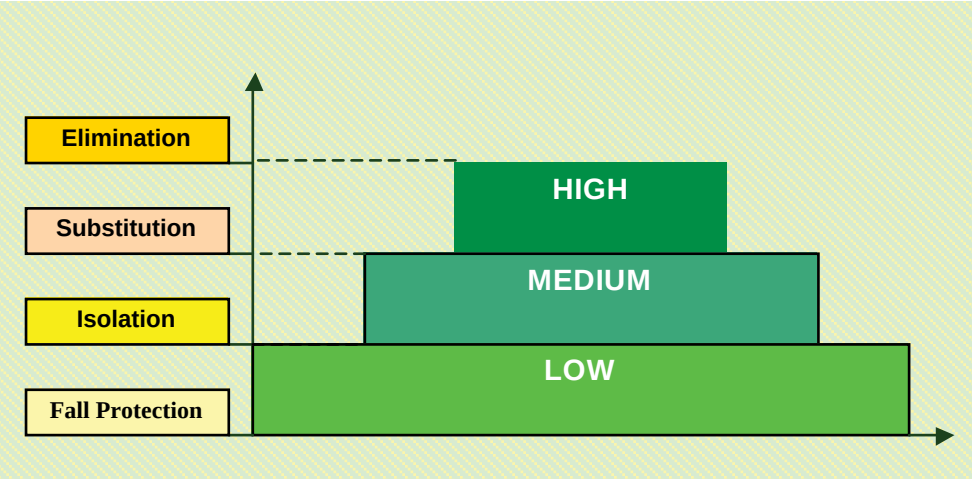
Contents

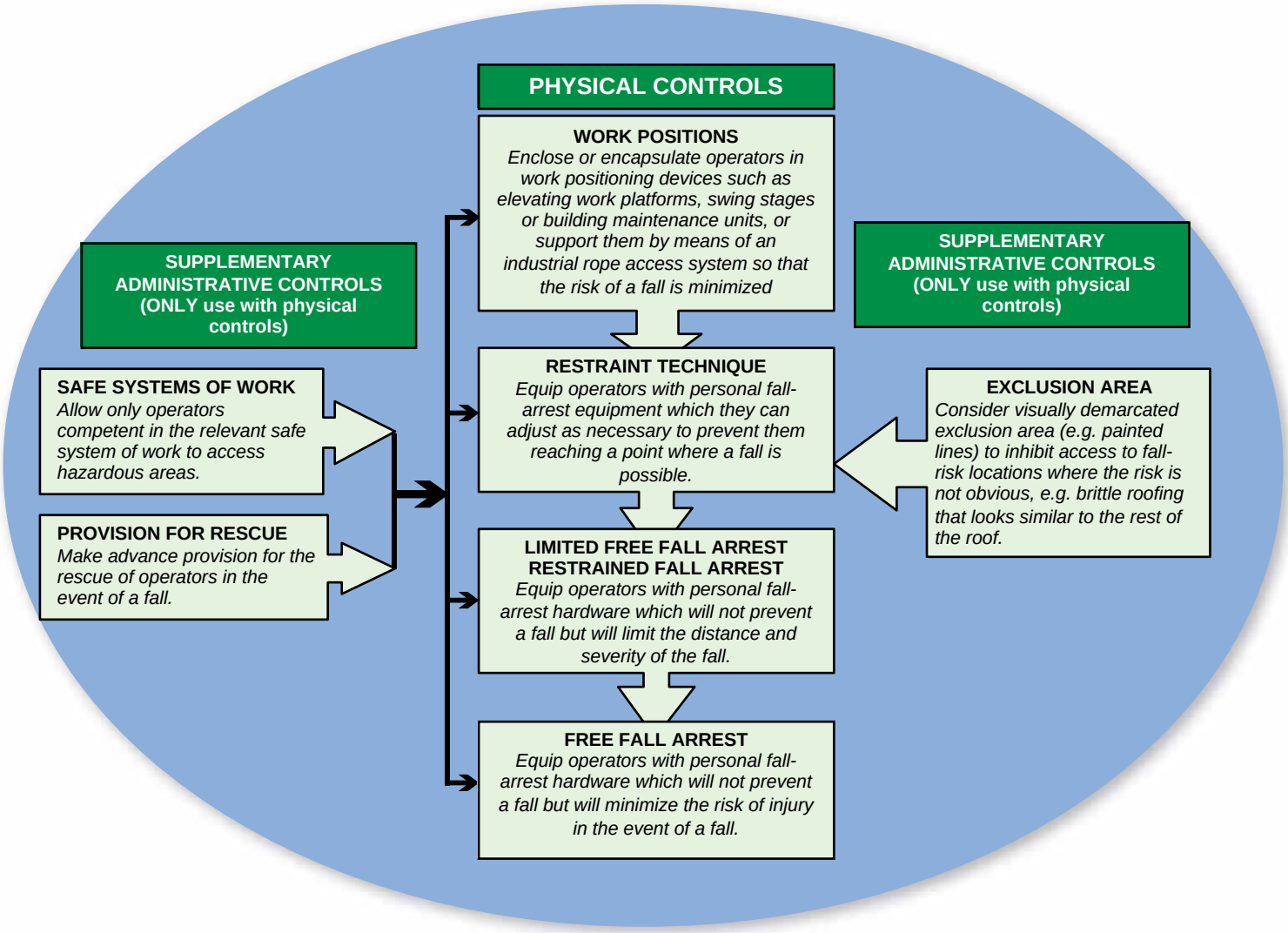
Definitions For Fall Protections	182
Hierarchy Of Fall-Arrest Options	183
Various Restraint/Fall Situations	184
Know Your Minimum Free Space (MFS)	185
Restraint Technique	186
Avoiding Lateral Swing	186
Strength Requirement For Anchorages	187
Understand Your Work Application	188
Easy Harness Selection Guide	189
Harness	190
Accessory Selection Chart	195
Lanyard	197
Accessories	199
Anchorage & Fall Arrestors	201
Rescue Product	202
PPE Kit Selection Chart	204
PPE Kit	205
Permanent Anchors	207
Permanent Safety System	210
Harness Fitting Instruction	212
Harness Inspection	215

DEFINITIONS FOR FALL PROTECTION

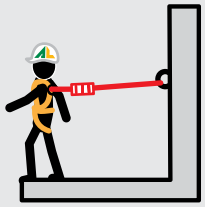
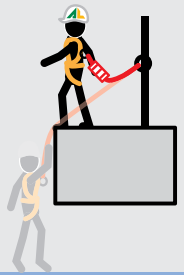
Restraint	A system whereby a person, wearing fall arrest equipment, is connected to an anchorage that prevents the person from reaching a position at which there is a risk of suffering a free or limited free fall. As per the requirements under current AS/NZS1891.1 people working in restraint must use an anchorage, connection and harness suitable for fall arrest.
Work Positioning	A system which enables a person to work supported in suspension by the use of Personal Protective Equipment (PPE) in such a way that a fall is partially restrained.
Fall Arrest	A system whereby a person is safely arrested from a fall by means of Personal Protective Equipment attached to an anchorage point. The maximum free fall allowance is 2 metres.
Fall Clearances	The system must be set up in such a way that the worker will avoid striking a lower level surface or obstacle, and be maintained in a position post fall, to ensure an easy and quick rescue. Each type of fall arrest device will have its own clearance requirements – check AS/NZS 1891.4 for further information.

HIERARCHY OF FALL-ARREST OPTIONS



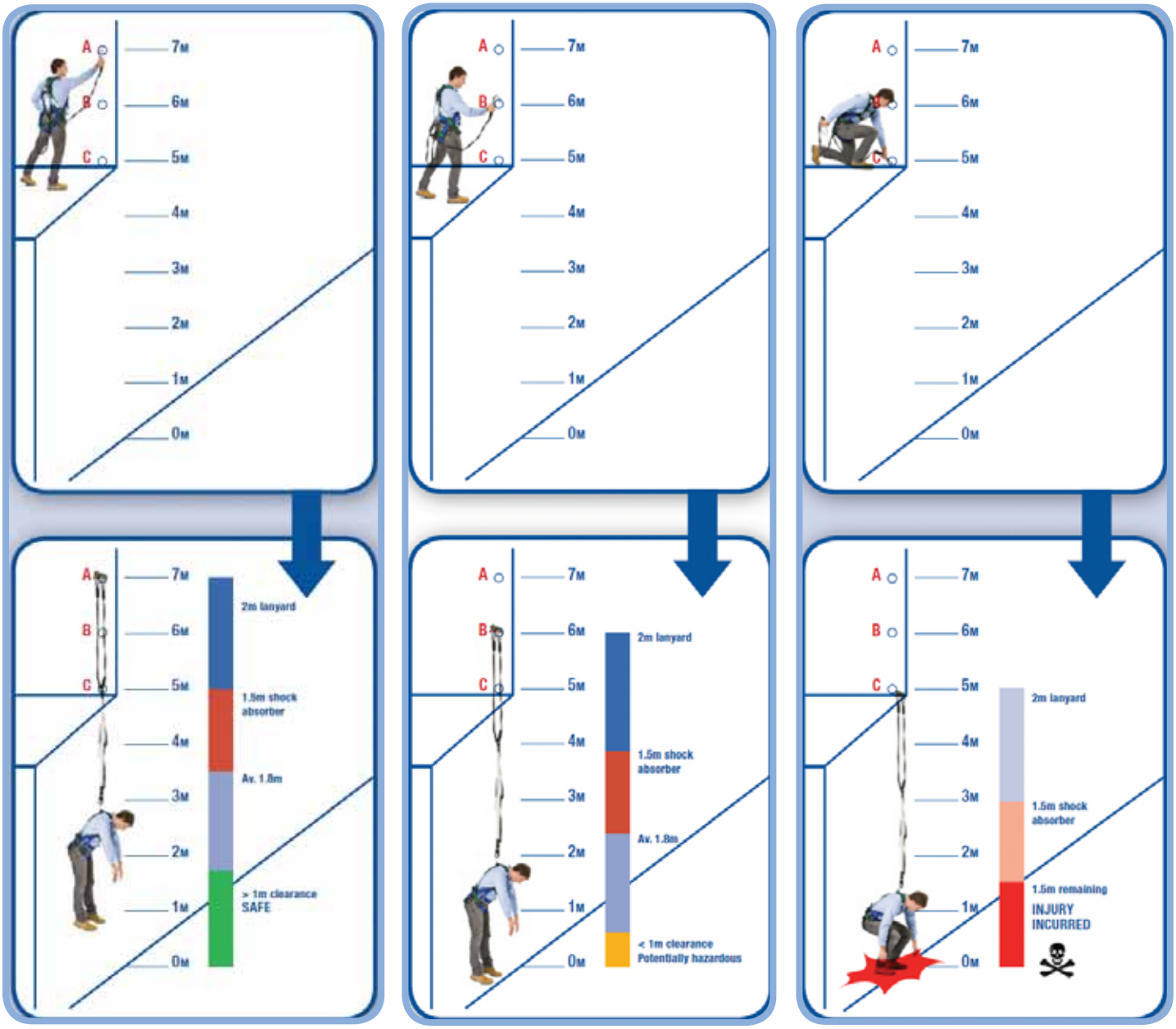

PHYSICAL CONTROLS
WORK POSITIONS
Enclose or encapsulate operators in work positioning devices such as elevating work platforms, swing stages or building maintenance units, or support them by means of an industrial rope access system so that the risk of a fall is minimized
SUPPLEMENTARY ADMINISTRATIVE CONTROLS (ONLY use with physical controls)
SUPPLEMENTARY ADMINISTRATIVE CONTROLS (ONLY use with physical controls)
SAFE SYSTEMS OF WORK
Allow only operators competent in the relevant safe system of work to access hazardous areas.
PROVISION FOR RESCUE
Make advance provision for the rescue of operators in the event of a fall.
RESTRAINT TECHNIQUE
Equip operators with personal fall-arrest equipment which they can adjust as necessary to prevent them reaching a point where a fall is possible.
EXCLUSION AREA
Consider visually demarcated exclusion area (e.g. painted lines) to inhibit access to fall-risk locations where the risk is not obvious, e.g. brittle roofing that looks similar to the rest of the roof.
LIMITED FREE FALL ARREST
RESTRAINED FALL ARREST
Equip operators with personal fall-arrest hardware which will not prevent a fall but will limit the distance and severity of the fall.
FREE FALL ARREST
Equip operators with personal fall-arrest hardware which will not prevent a fall but will minimize the risk of injury in the event of a fall.

CHARACTERISTICS OF VARIOUS RESTRAINT/FALL SITUATIONS

Restraint/ fall situation	System description	Equipment & Anchorage requirements (minimum) (see Notes 1 and 4)	Typical application
Restraint technique 	A combination of anchorage placement and lanyard length adjustment which will not physically permit the operator to reach a fall risk position (see Note 2) unless the lanyard is incorrectly adjusted.	Fall-arrest rated equipment as follows: Where any possible fall will only be a limited free fall (<600 mm), a lower-body harness and anchorage with ultimate strength 12kN. All other cases, a full-body harness and anchorage with ultimate strength 15 kN.	Any situation where access to the work can be achieved entirely on a working surface with secure footing and without exposure to a fall provided that the equipment is correctly adjusted.
Restrained fall only	A pole-strap of length which will permit only a restrained fall when working on a pole.	Full-body or lower-body harness and pole strap.	Working on a pole where no free fall is possible.
Limited free fall 	A combination of anchorage placement and lanyard length which will permit only a limited free fall (< 600 mm).	Full-body or lower-body harness. Lanyard or fall-arrest device that will limit free-fall to 600 mm max. (See Note 2). 12 kN ultimate strength anchorage or equivalent horizontal lifeline or rail.	Any situation where the use of either a short lanyard or a fall-arrest device (or both where applicable) will limit any free fall to 600 mm. May also be applicable to rope access systems, see AS/NZS 4488.2.
Free fall	Any suitable fall-arrest system.	Full-body harness. Lanyard or fall-arrest device which will limit free fall to 2 m max. (see Note 2). 15 kN ultimate strength anchorage or equivalent horizontal lifeline or rail.	Any situation in which a free fall (> 600 mm) is possible.
Total restraint	A system where no fall is possible.	Not specified in the AS/NZS 1891 Series of Standards (see Note 3).	Total restraint is defined as the control on a person's movement by means of a connection to an anchorage in such a way that it will physically prevent the person from reaching any position at which there is risk of a fall, either over an edge, through a surface or due to a failed moveable platform.

NOTES:
1. Fall protection work practices not in accordance with this Standard, in particular, the use of non-complying personal equipment (e.g. lanyards without specified energy absorbing properties), may create fall-arrest forces which will exceed the anchorage strengths specified in the Table.
2. See also "Know your minimum fall clearance" (MFC). Refer to Page 09.
3. Whilst no equipment is specified, fall-arrest rated equipment can be used.
4. 'Ultimate strength' means that the anchorage may yield at the stated load but must not fail.

KNOW YOUR MINIMUM FREE SPACE (MFS)



- The Formula to calculate for minimum free fall:

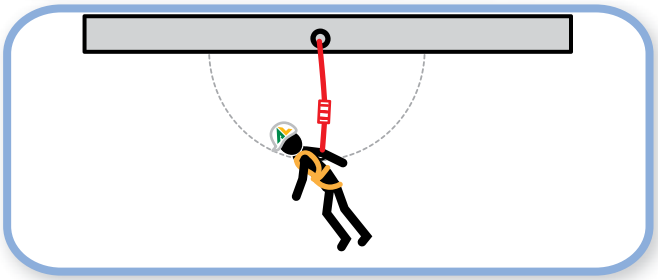
Lanyard Length + Shock Absorber Length + Harness Stretch + Distance between harness attachment point and upper back + Safety clearance at bottom of fall.

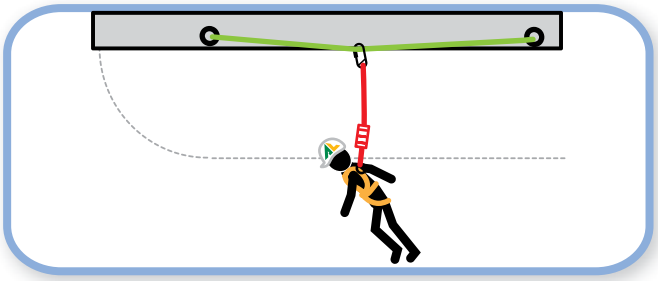
Lanyard length maximum allowable = 2.0m, Shock Absorber = 1.75m in length, Rule of thumb for the sum of Harness stretch+ attachment point to upper back is 1.8m.

We recommend that the Safety Clearance is given a value of 1m. To illustrate a worst case scenario, which is when the anchor point is at the user's feet, so the MFS is calculated using the following formula:

Lanyard Length + Shock Absorber = 2m + 1.75m; AND the sum of Stretch & The Attachment point to Upper Back Distance =1.8m; THEN add to this your Safety Clearance of 0.4m; THEN this will give you an MFS of 5.75m (FIVE point SEVEN FIVE meters) in this worst case example (see diagrams above.)

Restraint Technique





- Restraint technique

Suitable for use where the user can maintain secure footing as set out without having to tension the lanyard. Despite the requirement to equip the user for fall arrest, restraint technique should be employed whenever practicable providing an extra level of safety by reducing the potential for exposure to falls.

- Working on slopes and work positioning

Where a user at risk of a fall can maintain secure footing on a sloping surface without tensioning the lanyard or safety line, or requiring additional support such as hand hold, fall arrest equipment attached to anchorages of commensurate strength shall be used. Factors that need to be considered as to whether secure footing can be maintained are as follows:

The degree of slope.

Slopes in excess of 15° from the horizontal should always be checked for risk of a fall.

Surface slipperiness or skid resistance, change from dry to wet conditions and whether the surface is likely to be oily or otherwise slippery.

Surface roughness likely to become a tripping hazard.

Security when carrying heavy loads or operating hand held equipment.

Unusual weather conditions, high winds, snow, ice or frost.

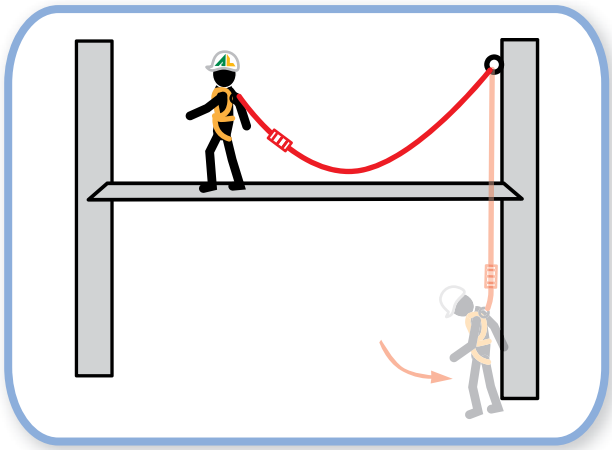
The grip provided by footwear, e.g. Sole material and tread pattern.

Where a user cannot maintain secure footing without the aid of lateral support alternative means of access or support shall be provided, e.g. a harness and pole strap, a walkway in accordance with AS 1657 or a work positioning system such as a rope access system in accordance with AS/NZS 4488.2.

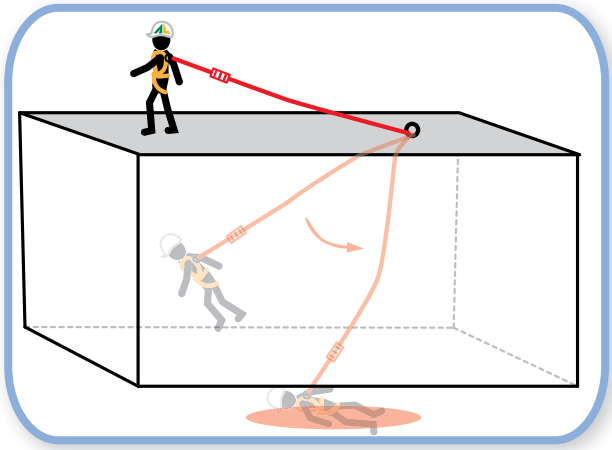
AVOIDING LATERAL SWING (THE PENDULUM EFFECT)

- Be aware of the pendulum effect

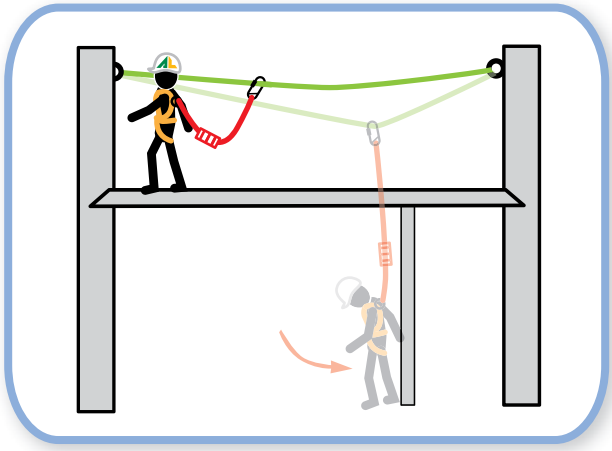
Ensure precaution is taken to avoid any possibility of a fall taking place and subsequently the person swinging into a structure or the ground.



SIMPLE EFFECT



ANCHORAGE LINE SLIDING ALONG EDGE



FALL FROM A HORIZONTAL LIFELINE

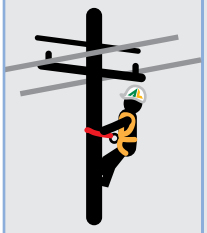
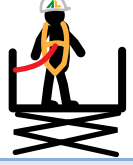
STRENGTH REQUIREMENT FOR ANCHORAGES	
Purpose of Anchorages	Minimum Ultimate strength in direction of loading (kilonewtons)
Free fall-arrest-One person	15 kN
Free fall-arrest-Two persons attached to same anchor.	21 kN
Limited free fall-arrest (including rope access anchorages)	12 kN
Restraint technique	15 kN for free fall risk 12 kN for limited free fall risk
Horizontal Life Lines	Minimum Ultimate strength in direction of loading (kilonewtons)
End Anchorages (See Manufactures Recommendations)	Greater than 15 kN Single person Greater than 21 kN Multiple persons
Intermediate anchorages -diversion less than 15°	12 kN
Intermediate anchorages -diversion more than 15°	Greater than 12 kN (multiplied by a safety factor of 2.0)
NOTE	
As far as practicable all single point one-person anchorages should meet the 15kN requirements regardless of primary purpose.	
'Ultimate strength' means that the anchorage may yield at the stated load but must not fail.	

Anchor Points Information

- Ensure the anchor points on a building or structure used by the operator are certified by an engineer, unless it is clear to a height safety supervisor the anchorage system is structurally sound also signage with anchor information shall be provided.
- Use table provided to ensure the anchorage is capable of sustaining the ultimate load for one person to use when loaded in the direction of the lanyard, anchorage line, or restraint line during fall arrest.
- For two people utilizing one anchor point the load requirement for the anchorage shall be increased to a minimum of 21kN and no more than two people shall use a single anchor at any time.
- Be aware of free fall situation using anchorages. This applies to a Free Fall-Arrest where fall situation > 600mm and for Limited Free Fall where fall situation is < 600mm and you should not climb above a anchor point.
- From the anchor point observe any lower obstruction in a fall situation that the operator may strike into eg; machinery, open window etc.
- If an anchor looks damage it should be recertified by a competent person before using.
- If in doubt about anchorages check with the manufacture and/or refer to AS/NZS 1891.4

WARNING **Warning Only authorized personnel can install and certify roofing anchors.**

UNDERSTAND YOUR WORK APPLICATION WITH PERSONAL PROTECTION EQUIPMENT

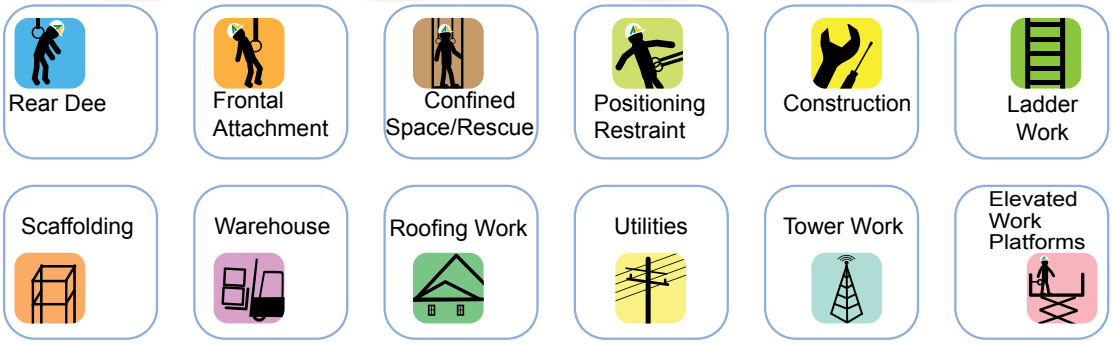
Work Application	Before working at heights a full risk assessment and work method shall be completed to understand the proper use and limitations of PPE equipment. Be aware of these safety points	PPE Products Harness Connection Anchor
Roof Work	• Ensure anchor points are correctly installed, fitted and are suitability rated and certified. • When using rope & rope grabs always ensure the rope line is taught from both anchor points. • Shock absorber connection shall be between Harness Frontal or Rear attachments and rope grab via Karabiner. • Make sure you utilize Rear Dee or Frontal Dees of your harness while working at all times. • If there are no anchor points present you should use an appropriate anchorage system to a suitable structure ensuring the structure can support a fall arrest situation.	Full body harness with frontal & rear attachments. Approved Rope & rope adjuster with shock absorber pack. Temporary metal roof anchor or Anchorage sling.
Ladder Work	• For fixed ladder safety lines ensure it has been certified, maintained and operating satisfactory before use. • With mobile ladders ensure the ladder has been secured properly with certified ladder brackets. • Use certified anchor systems such as anchor strap, fixed anchor point or temporary anchor point. • Ensure safety rope line is correctly tied off and rope grab is fixed to frontal connection points of harness with Karabiner. • Always use a full body harness and twin lanyard with shock absorber for ladder work.	Full body harness with frontal & rear attachments. Twin lanyard with shock absorber. Approved Rope & rope adjuster. Anchorage sling, Tempory Ladder & bracket .
Construction & Maintenance	• Ensure anchor points are correctly installed, fitted and are suitability rated and certified. • When using rope & rope grabs always ensure the rope line is taught from the anchor points. • Ensure fall arrest systems have been regularly serviced and in good working condition. • Use Single lanyard or twin elasticized lanyards with shock absorber • Make sure you utilize Rear Dee or Frontal Dees of your harness whilst working at heights. • With static lines ensure the system is certified and in good condition and working order.	Full body harness with frontal & rear attachments. Single or Twin lanyard with shock absorber. Approved Rope & rope adjuster. Suitable Inertia reels Anchor-age sling, Metal roof anchor.
Tower Work 	• Ensure anchor points are correctly installed, fitted and are rated and certified. • When using rope & rope grabs always ensure the rope line is taught from the anchor points. • Ensure fall arrest equipment has been regularly serviced and in good working condition. • Make sure you utilize rear Dee of your harness with twin lanyard and belay loops with pole strap of your harness whilst working at heights. • With permanent ladder systems ensure the structure is certified and in good condition and working order.	Full body Tower workers harness. Twin lanyard with shock absorber. Suitable Inertia reel. Approved Rope & rope adjuster. Adjustable Pole straps Anchorage sling.
Elevated Work Platforms 	• Ensure anchor points and Elevated Work Platforms are correctly installed, fitted and are suitability rated and certified. • Ensure fall arrest equipment has been regularly inspected, serviced and in good working condition. • Make sure you utilize rear Dee or side Dees of your harness with either webbing, adjustable or elastic single lanyard of your harness whilst working at heights.	Full body harness with frontal & rear attachments. Single lanyard with shock absorber.
Confined Space & Rescue	• Ensure confined space and/or rescue equipment is being regularly inspected, serviced and in good working condition • Ensure Tripod or Davit system are correctly installed, fitted and are suitability rated and certified. • Prior to use, inspect Inertia Reel and Rescue Winch to ensure they are in good working condition. • Make sure you utilize the rescue loops for rescue operation of your harness and rear Dee in a confined space situation. • With spreader bar the arm straps should be utilized.	Full body harness with rear attachment and shoulder confined space loops. Rescue winch devise. Confined space spreader bar. Tripod or Davit arm.

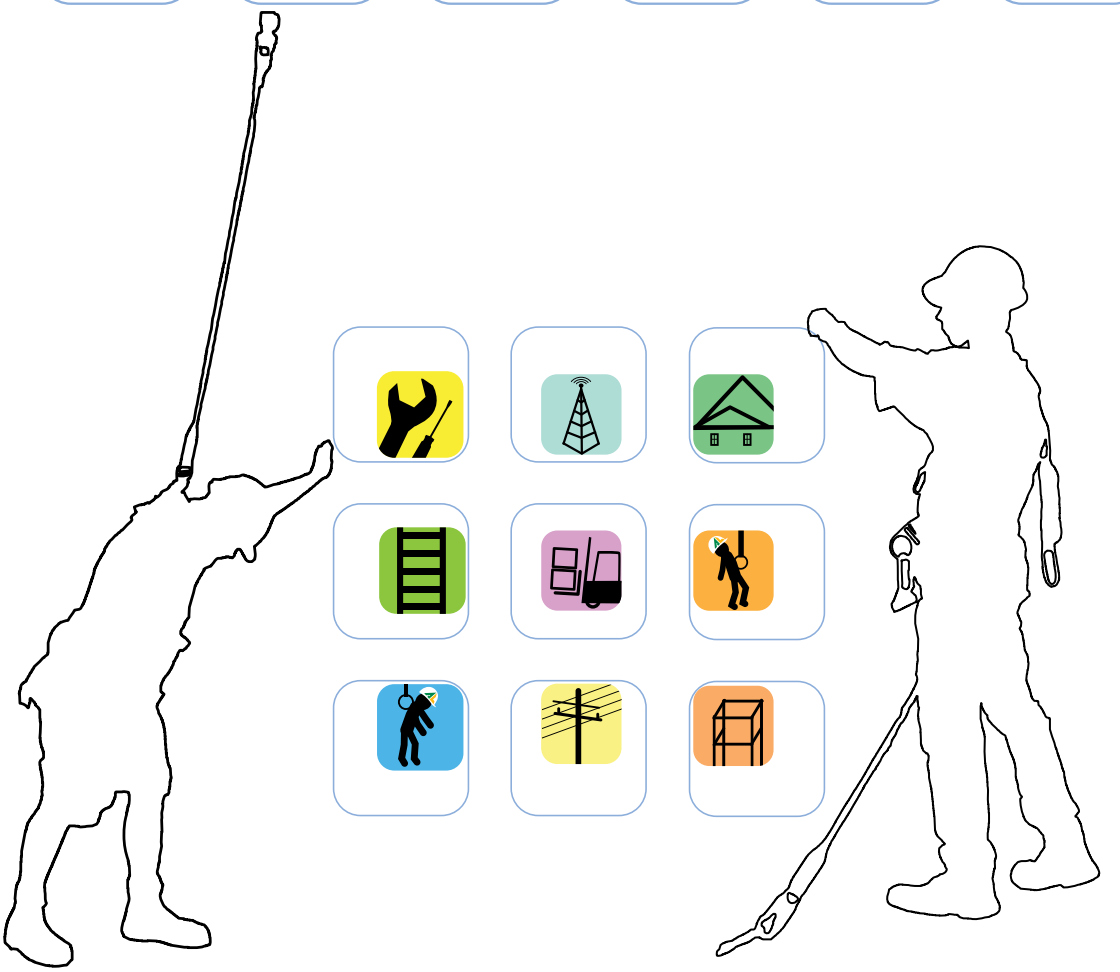
EASY HARNESS SELECTION GUIDE

HARNESS	STANDARD RANGE		TRADESMAN RANGE		ULTIMATE RANGE		
Harness Name	Compliance Plus Harness	Compliance Plus with 1.5 Lanyard	Riggers with Belay Loof Harness	Multi Purpose Harness	Riggers Harness	Multi Purpose Harness	Tower Worker Harness
Harness Part Number	914060	914059	914062	914064	914065	914066	914067
Material	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester
Rear Dee Ring	✔	✔	✔	✔	✔	✔	✔
Frontal Belay Loops	✔	✔	✔	✔	✔	✔	✔
Confined Space Shoulder Loops			✔	✔	✔	✔	✔
Larger Side Dee Rings				✔		✔	✔
Trauma Strap Fitted			✔	✔	✔	✔	✔
Slotted Buckles	✔	✔	✔	✔			
Quick Release Buckles					✔	✔	✔
Back Padded Triangle			✔	✔	✔	✔	✔
Padded Under Buckles			✔	✔	✔	✔	✔
Waist Leg & Rear Belt Padding					✔	✔	✔
Reflective Stitching	✔	✔	✔	✔	✔	✔	✔
Certified & Approved To AS/NZS 1891.1	✔	✔	✔	✔	✔	✔	✔
WORK APPLICATION							
Rear Dee								
Frontal Attachment								
Confined Space								
Positioning Restraint								
Construction Maintenance								
Ladder Work								
Scaffolding								
Warehouse								
Roofing Work								
Utilities								
Tower Work								
Work Platforms								

Selection made easy with Austlift Harness

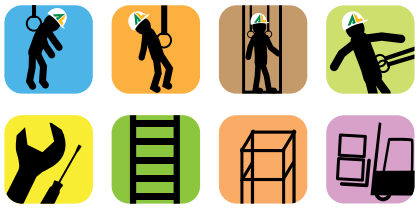
We have developed Symbols to aid you in selecting the right harness to suit your particular work application requirement. These symbols represent work application and harness attachments.
This catalogue also utilizes these unique symbols throughout the Personal Protection Equipment range to best describe your particular work application.
If you have any further questions regarding your Personal Protection needs or require further information you can contact your local distributor or Australian Lifting Centre Sydney Head Office on 1300 100 120





ULTIMATE – RIGGERS FALL ARREST HARNESS

FEATURE SYMBOLS:



SUITABLE FOR:

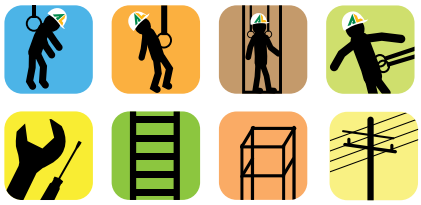
Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse

- Large permanently upright “D” ring fall arrest rated
- Quick release buckles
- Shoulder, back and leg padding
- Padding under buckles for extra comfort
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Reflective stitching on ALL harness designs
- Medically approved suspension trauma strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914065

ULTIMATE – MULTIPURPOSE FALL ARREST HARNESS

FEATURE SYMBOLS:



SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse, Positioning Restraint, Utilities

- Large permanently upright “D” ring fall arrest rated
- Quick release buckles
- Shoulder, back and leg padding
- Padding under buckles for extra comfort
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Waist belt with large side “D” rings for work positioning
- Padded lower waist & back belt for extra comfort
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914066

ULTIMATE – TOWER FALL ARREST HARNESS

FEATURE SYMBOLS:

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse, Positioning Restraint, Utilities, Tower Work

- Large permanently upright “D” ring fall arrest rated
- Quick release buckles
- Shoulder, back and leg padding
- Padding under buckles for extra comfort
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Waist belt with large side “D” rings for work positioning
- Padded lower waist / back belt for extra comfort
- Padded work positioning seat for extra comfort
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914067

COMPLIANCE PLUS-FALL ARREST HARNESS

FEATURE SYMBOLS:

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse

- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Fall arrest frontal belay loops for work positioning and rescue
- Reflective stitching on ALL harness designs
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914060

COMPLIANCE PLUS-FALL ARREST HARNESS WITH LANYARD ATTACHED

FEATURE SYMBOLS:

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse.

- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Fall arrest frontal belay loops for work positioning and rescue
- 1.5m shock absorbing lanyard with snap hook attached
- Reflective stitching on ALL harness designs
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914059

TRADESMAN-RIGGERS FALL ARREST HARNESS

FEATURE SYMBOLS:

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse, Roofing Work

- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Padding under buckles for extra comfort
- Back padded triangle for comfort and shape
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914062

TRADESMAN- MULTIPURPOSE FALL ARREST HARNESS

FEATURE SYMBOLS:

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse, Positioning Restraint, Utilities, Tower Work

- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Padding under buckles for extra comfort
- Back padded triangle for comfort and shape
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Waist belt with large side “D” rings for work positioning
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914064

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Personal Protection Accessory Selection Chart

WORK TO BE PREFORMED													
Part Numbers	Description	Fall Arrest	Frontal Attachment	Positioning Restraint	Confined Space/ Rescue	Scaffolding	Warehouse	Construction	Utilities	Ladder Work	Roofing	Tower Work	Elevated Work Platform
914015	Single Lanyard -1.5m webbing lanyard with shock absorber and snap hooks	✔					✔	✔	✔			✔	✔
914020	Single Lanyard -2m webbing lanyard with shock absorber and snap hooks	✔					✔	✔	✔			✔	✔
914021	Single Lanyard -2m webbing lanyard with shock absorber and snap hook and scaffolding hook	✔				✔	✔	✔	✔			✔	✔
914022	Single Lanyard -2m webbing lanyard with shock absorber and karabiners	✔					✔	✔	✔			✔	✔
914025	Single Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber and snap hooks	✔					✔	✔	✔			✔	✔
914026	Single Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber, snap hook and scaffold hook	✔				✔	✔	✔	✔			✔	✔
914028	Twin Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber and snap hooks all round	✔					✔	✔	✔			✔	✔
914027	Twin Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber, snap hook and scaffold hooks	✔				✔	✔	✔	✔			✔	✔
914023	Twin Lanyard -2m webbing lanyard with shock absorber and snap hooks all round	✔				✔	✔	✔	✔			✔	✔
914024	Twin Lanyard -2m webbing lanyard with shock absorber and snap hook and scaffolding hooks	✔				✔	✔	✔	✔			✔	✔

Personal Protection Accessory Selection Chart

Part Numbers	Description	Fall Arrest	Frontal Attachment	Positioning Restraint	Confined Space / Rescue	Scaffolding	Warehouse	Construction	Utilities	Ladder Work	Roofing	Tower Work	Work Platforms
914029	Twin Lanyard - 2m wire lanyard with Shock Absorber, karabiner and 2 scaffolding hooks					✔	✔	✔	✔	✔			✔
914035	Adjustable Lanyard with Shock Absorber	✔					✔	✔	✔			✔	✔
914034	Pole Strap			✔									
914030	300mm Shock Absorber									✔	✔		
914043=15M 914044=20M 914045=25M 914046=30M 914047=40M 914048=60M	Anchor Line made from Polyester Rope with Fixed Rope Grab comes in 15, 20, 25, 30, 40, 60 metre lengths	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
914049=15M 914050=20M 914051=30M 914052=40M	Anchor Line made from Kernmantle Rope with Fixed Rope Grab comes in 15, 20, 30, 40 metre lengths	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
914032	2m webbing interlocking Anchor Strap					✔	✔	✔	✔	✔	✔	✔	✔
914038	1.5m Webbing Sling					✔	✔	✔	✔	✔	✔	✔	✔
914039	Dorsal Extension	✔					✔	✔	✔		✔	✔	
914037	Add-on Suspension Trauma Strap	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
914040	20m Temporary Webbing Lifeline line - 2 man rated	✔	✔	✔		✔	✔	✔	✔		✔		
914036	Confined Spaces Lifting Sling				✔								
914041	Tripod - 4 attaching points with carry bag				✔								
914042	Rescue Winch 20m				✔								
914076	Inertia Reel 2.25m Webbing	✔			✔	✔	✔	✔	✔			✔	
914077	Inertia Reel 3m Webbing	✔			✔	✔	✔	✔	✔			✔	
914078	Inertia Reel 6m Webbing	✔			✔	✔	✔	✔	✔			✔	
914079	Inertia Reel 6m Wire	✔			✔	✔	✔	✔	✔			✔	
914080	Inertia Reel 15m Wire	✔			✔	✔	✔	✔	✔			✔	
914081	Inertia Reel 28m Wire	✔			✔	✔	✔	✔	✔			✔	

Provided work application and attachment symbols to assist in the selection of our PPE accessories range. The following table provides an overview of products such as Lanyards,Anchorage Products, Fall Arrest Products, Connection Equipment, Confined Space and Rescue Products.

SINGLE LANYARD SNAP HOOKS

- 1.5mtr x 44mm or 2.0mtr x 44mm polyester folded webbing
- 25mm double action snap hooks both ends
- Integral energy shock absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914015 FOR 1.5M
PART NUMBER: 914020 FOR 2M

SINGLE LANYARD SNAP & SCAFFOLD

- 2.0mtr x 44mm polyester folded webbing
- Double action 25mm snap & 58mm scaffold hook
- Integral energy shock absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914021

SINGLE LANYARD KARABINERS

- 2.0m x 44mm polyester folded webbing
- 18mm double action karabiner both ends
- Integral energy shock absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914022

SINGLE ELASTICISED LANYARD SNAP HOOKS

- 2.0mtr unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy shock absorber
- 25mm double action snap hooks both ends
- Certified product and complies to AS 1891.1

PART NUMBER: 914025

SINGLE ELASTICISED LANYARD SNAP & SCAFFOLD

- 2.0mtr unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy shock absorber
- Double action 25mm snap & 58mm scaffold hook
- Certified product and complies to AS 1891.1

PART NUMBER: 914026

TWIN ELASTICISED LANYARD SNAP & SCAFFOLD

- 2.0mtr unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy shock absorber
- Double action 25mm snap & 58mm scaffold hook
- Certified product and complies to AS 1891.1

PART NUMBER: 914027

TWIN ELASTICISED LANYARD SNAP HOOKS

- 2.0mtr Twin unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy Shock Absorber
- 25mm double action snap hooks all round
- Certified product and complies to AS 1891.1

PART NUMBER: 914028

TWIN LANYARD SNAP HOOKS

- 2.0mtr x 44mm polyester folded webbing
- 25mm double action snap hooks all round
- Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914023

TWIN LANYARD SNAP & SCAFFOLD

- 2.0mtr x 44mm polyester folded webbing
- Double action 25mm snap & 58mm scaffold hooks
  Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914024

TWIN LANYARD KARABINER & SCAFFOLD

- 2.0mtr x 6mm PVC coated G316 stainless steel wire rope
- Double action 18mm karabiner & 58mm scaffold hooks
- Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914029

ADJUSTABLE SINGLE LANYARD SNAP HOOKS

- 2.0mtr x 44mm easy adjustable lanyard
- 25mm double action snap hook each end
- Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914035

POLE STRAP KARABINERS

- 2.0mtr x 44mm easy adjustable
  lanyard with protective sleeve
- Double action 25mm snap hook each end
- Certified product and complies to AS 1891.1

PART NUMBER: 914034

KARABINER

- Forged steel
- 18mm Opening
- Screw Gate Type
- Single Action
- 30kN strength

PART NUMBER: 914085

KARABINER

- Forged steel
- 18mm Opening
- Twist Lock Gate
- Double Action Type
- 30kN strength

PART NUMBER: 914086

KARABINER

- Forged steel
- 15mm Opening
- Triple Action Type
- 30kN strength

PART NUMBER: 914087

KARABINER

- Forged steel
- 22mm Opening
- Triple Action Type
- 30kN strength

PART NUMBER: 914088

SNAP HOOK

- Double action snap hook.
- Forged alloy steel.
- 60mm opening
- Rated to 25kN

PART NUMBER: 914089

SCAFFOLD HOOK

- Double action scaffold hook
- Forged alloy steel
- 60mm opening
- Rated to 25kN

PART NUMBER: 914090

DORSAL EXTENSION

- 300mm Dorsal Extension strap
- Comes with steel Dee ring
- Suits any harness

PART NUMBER: 914039

TRAUMA STRAP ACCESSORY

- Adjustable suspension strap
- Quick connection buckles
- Connects to any harness

PART NUMBER: 914037

TEMPORARY LADDER BRACKET

- Suits most portable ladders and gutter systems.
- Locks onto roof or gutters stops slippage from ladders.
- Warning and instruction signage

PART NUMBER: 914092

TOOL HOLDER STRAP

- Lightweight webbing with cord one end for tool attachment.
- Adjustable wrists strap other end for connection to user
- 200mm length and a maximum tool weight of 5kg

PART NUMBER: 914095

SHOCK ABSORBER PACK

- Internal energy shock absorber
- Screwgate (Double action optional)
- 18mm Karabiner's each end
- Certified product and complies to AS 1891.1

PART NUMBER: 914030

PERMANENT LADDER BRACKET

- Suits most fixed ladder systems
- Locks onto roof or gutters stops slippage from ladders
- Warning and instruction signage

PART NUMBER: 914118

ANCHORAGE LINE

- 13mm Polyester Anchorage Line
- Type A Steel Fall Arrester device
- 25mm double action snap hook (optional)

PART NUMBER: 914043- 15M
PART NUMBER: 914044- 20M
PART NUMBER: 914045- 25M
PART NUMBER: 914046- 30M
PART NUMBER: 914047- 40M
PART NUMBER: 914048- 60M

ANCHORAGE LINE

- 11mm Kernmantle Anchorage Line
- Type A Steel Fall Arrester device
- 25mm double action snap hook (optional)

PART NUMBER: 914049- 15M
PART NUMBER: 914050- 20M
PART NUMBER: 914051- 30M
PART NUMBER: 914052- 40M

INTERLOCKING ANCHORAGE SLING

- 2 metre webbing with protective sleeve rated to 22kN
- Large & Small Dee ring each end
- Single person use only with attachment via small Dee ring

PART NUMBER: 914032

TIE-OFF ANCHOR SLING

- 1.5 metre webbing rated to 22 kN
- Polyester webbing material
- Single person use only

PART NUMBER: 914033

LARGE TONG ANCHORAGE

- Used to hook personal protective equipment to a structure
- Tong opening style anchorage connector
- Suitable for one person anchorage 15kN
- Large size to suit a structure up to 112mm in diameter

PART NUMBER: 914091

TEMPORARY ANCHOR POINT METAL ROOF

- Right angled anchor plate Clamps securely onto a roof edge
- Curved arm suited to corrugated roofs
- Screws down for additional stability
- Single person anchorage point

PART NUMBER: 914093

PERMANENT ROPE GRAB

- Type A fall arrest device which locks off on the rope at any point.
- Suits 13mm polyester rope or 11mm Kernmantle rope
- Manually operated to move up and down the rope line

PART NUMBER: 914084

REMOVABLE ROPE GRAB

- Type B removable fall arrest device
- Disengaging function that can be attached to rope at any point
- Manually operated to move up anddown the rope line
- Suits both 13mm polyester rope or 11mm Kernmantle rope

PART NUMBER: 914083

VERTICAL WIRE ROPE GRAB

- Type C removable Anti corrosive Stainless Steel fall arrest device
- Disengaging function that can be attached to rope at any point
- Manually operated to move up and down the rope line
- Suitable for vertical application for 8mm wire rope

PART NUMBER: 914082

WEBBING INERTIA REEL

- Lightweight and compact in design
- Made from corrosion resistant components
- 2.25m of working capacity Webbing
- Karabiner and double action snap hook included
- Integral energy shock absorber
- Quick activating breaking system limiting free fall

PART NUMBER: 914076-1.27kg

WEBBING INERTIA REEL

- Lightweight and compact in design
- Made from corrosion resistant components
- 3.3m of working capacity Polyester Webbing
- Swivel double action snap hook with fall indicator
- Quick activating breaking system limiting free fall

PART NUMBER: 914077-1.5kg

WEBBING INERTIA REEL

- Lightweight durable and compact in design.
- Made from sturdy plastic casing with rubber grip handle.
- Built in shock absorber limits fall forces to under 6kN.
- 6m of working capacity Polyester/Kevlar Webbing
- Double action swivel snap hook with built in fall indicator.
- Quick activating breaking system limiting free fall.

PART NUMBER: 914076-1.27kg

WIRE ROPE INERTIA REEL

- Lightweight, durable and compact in design.
- Made from sturdy plastic casing with rubber grip handle.
- Built in shock absorber limits fall forces to under 6kN.
- Available in 6 metre, 15 metre or 28 metre
- 4mm of working capacity galvanized wire cable.
- Double action swivel snap hook with built in fall indicator.
- Quick activating breaking system limiting free fall

PART NUMBER: 914079 6M – 5.1kg
PART NUMBER: 914080 15M -6.1kg
PART NUMBER: 914081 28M -8.2kg

TEMPORARY WEBBING STATIC LINE KIT

- 20 metre webbing with ratchet tensioner
- Kit comes with anchor straps & karabiners
- Complete with storage bag sewn in line
- Rated for two persons

PART NUMBER: 914040

CONFINED SPACES LIFTING SLING

- Top Dee ring used for raising or lowering
- Double action 25mm snap hooks attaches to confined space loops of a harness
- Built in arm strap for retrieval in confined situation

PART NUMBER: 914036

TRIPOD

- Working load limit 500kg.
- Lightweight, high strength aluminium construction.
- Adjustable legs(1.3m to 2.3m) with integral push pins and locking feature holds legs securely in place.
- Rubber serrated skid pads prevent slippage in use.
- Anchorage/4 attaching points eye rated to 22kN in a vertical pull.
- Supplied with carry bag

PART NUMBER: 914041

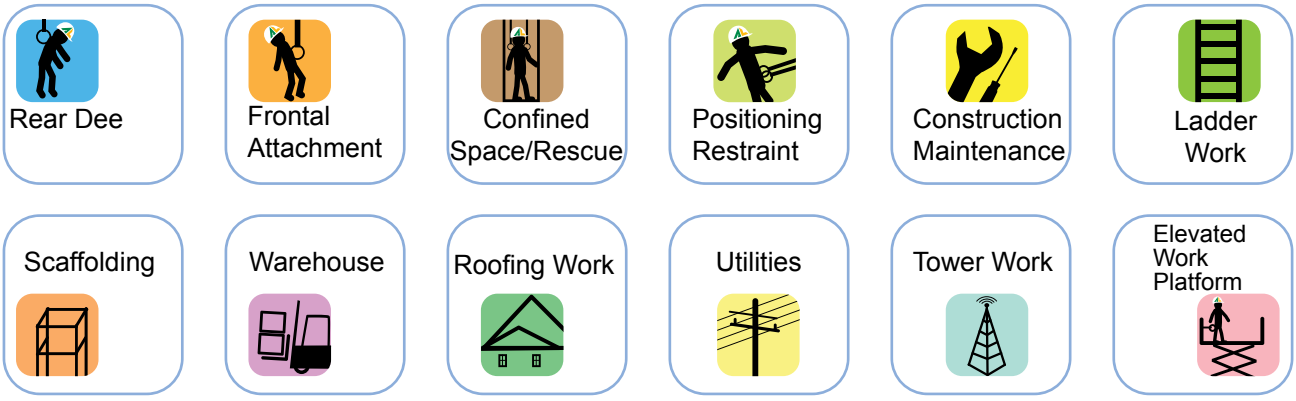
RESCUE WINCH

- Rescue lifting lowering device
- Comes with 20 metre wire rope
- Swivel double action snap hook
- Ready to mount to tripod leg with bracket included.
- Study construction work load to 180kg.
- Use winch for emergency evacuation only.
- Not to be used for work positioning.
- Safety auto brake mechanism .

PART NUMBER: 914042

HARNESS KIT SELECTION CHART

The Personal Protection Kit range AUSTLIFT has to offer will provide a safety solution to suit every work environment and take the guess work out of Personal Protection Kit's. We have provided our work application and harness attachment symbols to assist in the correct product selection for specific work applications. There is also a list of components for each kit.



WORK TO BE PREFORMED													
Part Numbers	Description of Kits	Rear Dee	Frontal Attachment	Positioning /Restraint	Confined Space /Rescue	Scaffolding	Warehouse	Construction	Utilities	Ladder Work	Roofing	Tower Work	Elevated Work Platform
914072	Safety In A Sack Kit - Compliance Plus harness - 2m webbed lanyard - Interlocking anchor strap - Carry bag	✔	✔					✔					✔
914073	Basic with Compliance Plus Kit - Compliance Plus harness - 15m polyester rope & rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Carry bag	✔	✔					✔			✔		
914074	Roof Worker Kit - Riggers harness - 15m kermantle rope & rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Carry bag	✔	✔					✔			✔		
914075	Roof Worker Kit & Retractable Lanyard - Riggers harness - 15m kermantle rope & rope grab - 2 karabiners - anchor strap - Carry bag - 2.25m Retractable Lanyard	✔	✔					✔			✔		
914068	Professional Kit - Tradesman Multipurpose harness - 15m kernmantle rope and rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Pole strap - 2m twin lanyard with shock absorber and snap hooks - Carry bag	✔	✔	✔		✔	✔	✔	✔		✔	✔	✔
914069	Ultimate Roof Worker Kit - Ultimate Riggers harness - 15m kernmantle rope and rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Carry bag	✔	✔					✔			✔		
914070	Ultimate Professional Kit - Ultimate Multipurpose harness - 15m kernmantle rope and rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Pole strap - 2m twin lanyard with shock absorber and snap hooks - Carry bag	✔	✔	✔		✔	✔	✔	✔		✔	✔	✔
914071	Confined Spaces Professional Kit -Tripod with 4 anchor points - Rescue winch - 15m Inertia reel - Ultimate Multipurpose harness - 2 Karabiners - Spreader bar - Heavy duty carry bag	✔	✔		✔								

SAFETY IN A SACK

- 1x Compliance Plus Harness
- 1x 2m Webbed Lanyard
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914072

BASIC WITH COMPLIANCE PLUS

- 1x Compliance Plus Harness
- 1x 15m Polyester Rope and Rope Grab
- 1x Shock Absoder
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914073

ROOF WORKER KIT

- 1x Tradesman Riggers Harness
- 1x 15m Kermantle Rope & Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914074

ROOF WORKER KIT WITH ROOF WORKER KIT RETRACTABLE LANYARD

- 1x Riggers Harness
- 1x 15m Kermantle Rope & Rope Grab
- 2x Karabiners
- 1x Anchor Strap
- 1x 2.25m Retractable Lanyard
- 1x Carry bag

PART NUMBER: 914075

PROFESSIONAL KIT

- 1x Tradesman Multipurpose Harness
- 1x15m Kernmantle Rope and Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Pole Strap
- 1x 2m Twin Lanyard with Shock Absorber and Snap Hooks
- 1x Carry bag

PART NUMBER: 914068

ULTIMATE PROFESSIONAL KIT

- 1x Ultimate Multipurpose Harness
- 1x 15m Kernmantle Rope and Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Pole Strap
- 1x 2m Twin Lanyard with Shock Absorber
- 1x Carry bag

PART NUMBER: 914070

ULTIMATE ROOF WORKER KIT

- 1x Ultimate Riggers Harness
- 1x 15m kernmantle Rope and Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914069

CONFINED SPACES PROFESSIONAL KIT

- 1x Tripod with 4 Anchor Points
- 1x Ultimate Multipurpose Harness
- 1x 20m Rescue Winch
- 1x15m Inertia Reel
- 2x Karabiners
- 1x Spreader Bar
- 1x Heavy duty carry bag

PART NUMBER: 914071

STANDARD PROFILE ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Metal Roof - Steel Purlins

PART NUMBER: 914096 RATED TO 22kN
PART NUMBER: 914097 RATED TO 44kN

LOW PROFILE ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Metal Roof - Steel Purlins
- Rated to 22kN

PART NUMBER: 914098

CORRUGATED ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Corrugated roof profiles

PART NUMBER: 914099 RATED TO 22kN
PART NUMBER: 914100 RATED TO 44kN

SPECIAL CORRUGATED ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Metal Roof adaptable for Special Roof formations
- Rated to 22kN

PART NUMBER: 914101

SURFACE MOUNTED ANCHOR

- Made from Stainless Steel construction.
- Suitable for Corrugated and Trimdek Roof Profiles
- Rated to15kN

PART NUMBER: 914102

SURFACE MOUNTED ANCHOR

- Made from Stainless Steel construction.
- Suitable for Corrugated and Kliplok Roof Profiles
- Rated to15kN

PART NUMBER: 914103

WARNING **Warning Only authorized personnel can install and certify roofing anchors.**

SURFACE MOUNTED ANCHOR

- Made from Stainless Steel construction.
- Suitable for Corrugated and Longline Roof Profiles
- Rated to15kN

PART NUMBER: 914104

METAL ROOF ANCHOR

- Made from Stainless Steel construction
- Suitable for Metal Roof & 50mm by 150mm
- Timber Truss with Dekitte Flashing
- Rated to 22kN

PART NUMBER: 914116

METAL ROOF ANCHOR

- Made from Stainless Steel construction
- Suitable for Metal Roof & 35mm to 40mm Timber Truss with Bracing Plate and Dekitte Flashing
- Rated to 15kN

PART NUMBER: 914111

TILE ROOF ANCHORT

- Made from Stainless Steel construction
- Suitable for Tile Roof & 50mm Timber Truss with Acrylead Flashing
- Rated to 22kN

PART NUMBER: 914113

METAL ROOF ANCHOR

- Made from Stainless Steel construction
- Suitable for Metal Roof & 50mm Timber Truss with Dekitte Flashing
- Rated to 22kN

PART NUMBER: 914114

TILE ROOF ANCHOR

- Made from Stainless Steel construction
- Suitable for Tile Roof & 50mm by 150mm
- Timber Truss with Acrylead Flashing
- Rated to 22kN

PART NUMBER: 914115

WARNING **Warning Only authorized personnel can install and certify roofing anchors.**

DEKITTE FLASHING

- Made from Stainless Steel and rubber boot construction.
- Suitable with Metal roof anchor profiles

PART NUMBER: 914112

ACRYLEAD FLASHING

- Made from Stainless Steel and rubber boot construction.
- Suitable with Tile or Metal roof anchor profiles

PART NUMBER: 914114

CHEMICAL SET ANCHOR

- Made from Stainless Steel construction
- Suitable for Masonry applications

PART NUMBER: 914105 rated to 22kN
PART NUMBER: 914106 rated to 44kN

MECHANICAL SET ANCHOR

- Made from Stainless Steel construction
- Suitable for Masonry applications.

PART NUMBER: 914107 rated to 22kN
PART NUMBER: 914108 rated to 44kN

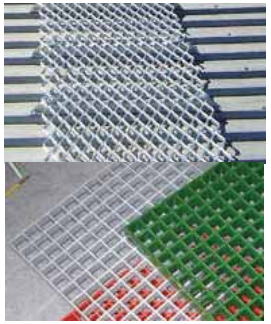
TILE ROOF ANCHOR

- Made from Stainless Steel construction
- Suitable for Tile Roof & 35mm to 40mm Timber Truss with
- Bracing Plate and Acrylead Flashing
- Rated to 15kN

PART NUMBER: 914109

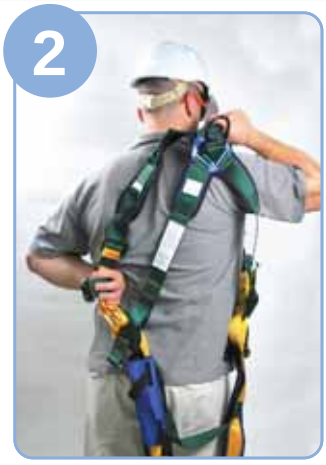
WARNING **Warning Only authorized personnel can install and certify roofing anchors.**

Product Name	Description	Product	Application
SAFETY LINES Hammerhead	• Easy to install with pass through technology. • Robust and well engineered system with minimal all Stainless Steel components. • Multiple system configurations (ground, overhead, side). • Very Cost Effective Solution. • Shock absorbing intermediate and end anchors capable of reducing force to structure to less than 6kN. • No damage to underlying structure due to shock absorption capabilities with minimal cable deflection. • Easy to reset system in the event of a fall without having to replace line. • Can be mounted on all types of roof and industrial structures.		
SAFETY LINES Safeladder	• All Stainless Steel components. • Easy to install. Can be sold in kit form. • User friendly safety system that provides protection while climbing ladders. • Ideal safety system for climbing ladders. • Swage less line tensioner ensures smooth cable fitting with no frayed edges or protruding cable.		
SAFETYRAIL Strongrail	• Very strong and robust system. Rated for 3 people at 8m spans. • Easy to install with minimal components and maintenance. • User friendly system. Free gliding movement ensures no interference is experienced by users. • Ideal for overhead and rope access applications. • Available in single or bilateral rail configurations. • Unique bilateral rail design significantly reduces pendulum effect and is ideal system for low clearance and obstructed areas. • Available in aluminium or stainless steel. • Very cost effective solution.		

Product Name	Description	Product	Application
SAFETYRAIL Saferail	• Total protection – a continuous system that operates in vertical and horizontal mode and ensures the operator does not need to disconnect at any time whilst working at heights. • Quick locking and un-obstructive shuttle system. • User friendly safety system. • Ideal protection system for climbing ladders and towers. • Available in aluminium.		
LADDER SYSTEMS	• Security locking system ensures no unauthorized access to ladder. • Extra strong ladder spine ensures rigid construction that complies with all the requirements of Australian Standards AS/NZS 1657. • Roof access handles ensure safe access and egress from roof area. • Specially designed rung with extra grip to provide additional safety while climbing ladder. • Cage design can be incorporated into ladder in accordance with Australian Standards AS/NZS 1657. • Modular system enables ladders to be installed on-site to the required specification by a simple process of cutting and joining modular components of the ladder. Reduces installation time considerably.		
WALKWAYS	• Excellent chemical and corrosion resistance - Fibre glass is resistant to most common chemicals (acids, salts, alkalies) and is ideal for corrosive environments (mining, petrochemicals, water treatment, marine, food processing). • Lightweight and ease of installation - Fibre glass has two thirds the weight of aluminium and one quarter that of steel, together with its high strength to weight ratio makes it very manageable and easy to install. • Excellent safety features such as non-slip surface and high visibility. • Electrical and thermal non-conductivity and non-sparking. • Cost effective solution - Ease of use, low installation costs, long service life with minimal or no maintenance. • Transparent to radio frequency transmission. • Fire resistant.		

UTIMATE HARNESS FITTING INSTRUCTION

Inspect the Harness to ensure its fit for use. Locate the front of the harness and remove any twists or bunching in the webbing.



Slice the harness on like you would a jacket.

Ensure the dorsal Dee ring on the harness is located between your shoulder blades.

Connect the chest strap to secure the harness to your upper body.

Secure the waist strap if provided on the harness.

Adjust both shoulder straps to fit firmly.

Fit leg straps ensuring the webbing is sitting flat against the legs or padding. Always connect the left leg strap to the left leg buckle never cross them over.

Once fitted adjust all straps to ensure the harness is fitted securely to the body and is not loose.

When using the front webbing loops ensure they are always brought together and connected with an approved connector.
Never use the front webbing loops singularly.

Once the harness is fitted correctly ask a work colleague to perform a safety inspection of the harness for you.
When fitting your harness make sure that the front central chest “D” ring is centrally located on the chest.

TRADESMAN HARNESS FITTING INSTRUCTION

Locate the front of the harness and remove any twists or bunching in the webbing.

Slice the harness on like you would a jacket

The triangular back pad and Dorsal Dee should sit between your shoulder blades in the centre of your back

Locate the front chest strap. Place the male selection of the buckle though the female section pointy end first.

Adjust chest strap to fit firmly.

When adjusting with both shoulder straps ensure there are no twists in your harnesses webbing. At all times the webbing should sit flat against your body.

Once fitted adjust all straps to ensure the harness is fitted securely to the body and is not loose.

Once the harness is fitted correctly ask a work colleague to perform a safety inspection of the harness for you.

TRAUMA STRAP DEPLOYMENT

STEP 1:
Prior to using your harness remove the Trauma Strap and familiarize yourself with the device and its operation. Adjust straps to suit your leg length. Perform all other mandatory pre start checks. Generally the required length will be 100mm shorter than your own leg length to achieve a comfortable position post fall.
Your Trauma Strap is located at the rear of the harness below your lap.
STEP 2: Before you expose yourself to a work environment that may result in a suspended fall make sure you know how use your Trauma Strap. It may save your life!

STEP 3:
To deploy the standing step remove the Velcro straps on the pouch.

STEP 4:
Locate the female buckle on the opposite side of your harness to the Trauma Strap.
Let the step deploy from the pouch completely then bring the male buckle around the front of your body.

STEP 5:
Hang on to the clip at the top of the pouch and let the strap fall below you.
STEP 6:
Connect the male and female components of the buckles together until they click and are secure.

STEP 7:
Place your foot into the base of the Trauma Strap and adjust to a position were you are comfortable. The Trauma Strap is easily adjustable while you wait for rescue.
If the base of the strap is adjusted too high you may feel discomfort. Simply lift the buckle and adjust to a more comfortable position.
Please remember the Trauma Strap has been designed for your comfort and safety and is not a substitute for an effective and fast rescue plan. Consideration should be given to every working scenario to ensure a speedy rescue is possible.

HARNESS INSPECTION

When working at height your Harness should be inspected before use.
This action is an essential part of your personal safety.
Follow these few simple steps as part of your routine to ensure your harness will keep you safe at work.
It is your responsibility to ensure that your Personal Protection Equipment undergo periodic inspection and/or serviced to the manufacture's recommended inspection intervals or to AS/NZS 1891 Part 4 which ever is the lesser inspection interval.
With Personal Protection Equipment that has been subjected to harsh conditions inspection intervals shall be preformed more frequently even if the set life expectancy of the product still has a long expiry date.
It is possible for the equipment to expire prematurely due to harsh environments or if the product has been exposed to frequent use.
We also recommend that a competent person perform inspection or any service work, and a written record kept in a safe place.

STEP 1:
Check the labels for the harness serial number and ensure the serial number is legible and the date for withdrawal has not passed.

STEP 2:
Run your hands along each piece of webbing looking for cuts, abrasions, burn marks or deterioration. Check sewn patterns looking for cuts, broken threads, heat damage and stretching

STEP 3:
Check the buckles are functioning and inspect for distortion, cracking and damage.

STEP 4:
Check the harness hardware Dee rings for distortion, cracking and damage.

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